STATE RUSS/CITLE Y ID NUMBER: 031045 ANE

ID NUMBER: C

Category#: 63



July 22, 2013

Aleris Recycling, Inc.

Chicago Heights, IL 60411

400 East Lincoln Highway, PO Box 751

Reference No. 052034

Mr. Robert Bernoteit
Acting Manager, Permit Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. O. Box 19506
Springfield, Illinois 62794-9506

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JUL 2 4 2013

Eminorale Process Agency BUREAU OF ARR

Dear Mr. Bernoteit:

Re:

Update to CAAPP Application

Aleris Recycling, Inc.

Chicago Heights, Illinois, ID# 031045ANE

On November 20, 2009, Aleris Recycling, Inc. (Aleris) submitted a Clean Air Act Permit Program (CAAPP) application for its Chicago Heights facility (ID #031045ANE). The purpose of this transmittal is to provide a supplement to this application to reflect the completion of the work authorized by Construction Permit #11050038.

This work consisted of the following:

- The installation of a new rotary furnace, Furnace #3. The emissions from this new furnace are controlled by an existing lime-injected baghouse, Baghouse #1.
- Installation of a new lime-injected baghouse, Baghouse #4, for existing Rotary Furnace #1.
- An increase in the throughput of the two holding furnaces at the plant, as a consequence of the installation of the affected new furnace.
- An increase in the amount of salt ("salt flux" or salt cake) generated by the affected furnaces
 or obtained from off-site that is processed in the salt cake handling operations at the plant to
 recovery entrained aluminum.

Also included with this application are forms that were created by the Agency after the date of the initial application.

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

DEC 02 2015

REVIEWER: JKS

Illinois EPA

07-14-13 PCT:57 RCV0

Aleris Recycling, Inc. 400 East Lincoln Highway, PO Box 751 Tul Pizzoz (Figits, IL 60411



Reference No. 052034

If you have any questions, please feel free to contact me or Don Sutton at Conestoga-Rovers and Associates at 217-717-9009.

2

Yours truly,

Larry/Lipa
Plant Manager

LL/DS/mw/1

LIST OF ATTACHMENTS

200-CAAPP, APPLICATION FOR CAAPP PERMIT

215A-CAAPP, EMISSION UNIT WHICH DOES NOT EMIT A HAZARDOUS AIR POLLUTANT

215-CAAPP, HAZARDOUS AIR POLLUTANT (HAP) EMISSION SUMMARY

280-CAAPP, REQUEST FOR NON-APPLICABILITY, EXCEPTION, OR EXCLUSION OF REGULATORY REQUIREMENTS

281-CAAPP, REQUEST FOR PERIODIC MONITORING

282-CAAPP, STREAMLINE APPLICABLE REQUIREMENTS

286-CAAPP, SINGLE SOURCE DETERMINATION

287-CAAPP, CAAPP APPLICATION INCORPORATION BY REFERENCE

292-CAAPP, FEE DETERMINATION FOR CAAPP SOURCE

293-CAAPP, COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT

296-CAAPP, COMPLIANCE CERTIFICATION

297-CAAPP, LISTING OF INSIGNIFICANT ACTIVITIES

299-CAAPP, LISTING OF SIGNIFICANT ACTIVITIES

TABLE 1, CHARGE HOOD BAGHOUSE (BH5) EMISSIONS CALCULATIONS (MAXIMUM OPERATIONS)

TABLE 2, BARREL CUTTING BAGHOUSE (BH6) EMISSIONS CALCULATIONS (MAXIMUM OPERATIONS)

FIGURE 1, PROCESS FLOW DIAGRAM - DEOX SHOT CASTING

FIGURE 2, PROCESS FLOW DIAGRAM - SALT CAKE HANDLING



FOR APPLICANT'S USE
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SPRINGFIEL	SPRINGFIELD, ILLINOIS 62794-9506			ation:				
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APPLICATION FOR CAAI	PP PERMIT	FC	R AGENCY USE ON	LY				
(CHECK ONLY ONE)		ID NO.:		and the same of th				
		PERMIT NO.:						
RENEWAL APPLICATION	1		····		<u> </u>			
. <u> </u>		DATE:						
SECTION ONE		SOURCE INFORM	<i>MATION</i>		za sa			
1) SOURCE NAME: Aleris Recyclin	g, Inc.	2000 - 10	TACHTET TO A LONDON STATE OF THE CONTROL OF THE CON	A THE RESERVE THE PROPERTY OF	1			
2) SOURCE ID NO.: 031045ANE	3)	DATE FORM PREP	ARED: 07 /	22 / 2013				
SECTION TWO	I	NSTRUCTIONS II	V BRIEF	CONTRACTOR				
COMPLETE THE FOLLOWING FOR PROGRAM (CAAPP) PERMIT.	M WHEN APPLYING	FOR AN INITIAL OR	RENEWAL CLEAN AI	R ACT PERMIT	Annual manual property of the control of the contro			
A REQUEST TO MODIFY A CAAPP FOR MODIFICATION TO A CAAPP F		E COMPLETED USING	G FORM 271-CAAPP	"APPLICATION	A CONTRACTOR OF THE CONTRACTOR			
THIS FORM PROVIDES APPLICATION ACTS AS A WORKSHEET FOR QUITED AND TECHNICALLY COMPLETE.					ANY TOTAL PROPERTY AND THE PROPERTY AND			
4) FESOP REQUESTS SHOULD COMP	PLETE THIS FORM, I	MARKING SECTION F	OUR APPROPRIATE	LY.	T () T () T () T () T () T () T () T () T () T () T () T () T () T () T () T () T () T () T			
5) REFER TO CAAPP 200 INSTRUCTION	ONS FOR FURTHER	GUIDANCE ON COM	PLETING THIS FORM	Λ				
SECTION THREE	SOURC	E AND CONTACT	INFORMATION		, franceman			
	SOURCE IN	FORMATION		5757x pr				
1) SOURCE NAME:			2) DATE FORM CO	DMPLETED ESTATE O	ENGO			
Aleris Recycling, Inc.		'	05/08/2013					
3) SOURCE STREET ADDRESS:				JUL 1	4 2013			
400 East Lincoln Highway					Tolerator Acteurs			
4) CITY:			5) ZIP:	DUKEN	VOF AIR			
Chicago Heights			60411					
6) IS THE SOURCE LOCATED WITHIN	I CITY LIMITS?		YES	Пио	to the same of the			
7) TOWNSHIP NAME:	8) COUNTY:		9) TYPICAL NO. C					
Bloom	Cook		AT THE SOURC	JE:				
10) ILLINOIS AIR POLLUTION SOURCE (IF KNOWN):	ID NO.	11) FEDERAL EM (FEIN):	PLOYER IDENTIFICA	TION NO.	and the second s			
031045ANE								
12) TYPE OF SOURCE AND PRODUCT Source: Secondary Aluminum		roducts: Aluminun	n sows and shot		THE STATE OF THE S			

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE __1

FOR APPLICANT'S USE

052034-200-CAAPP

13) PRIMARY STANDARD INDUSTRIAL CI	SIC) CATEGORY: 14	PRIMARY SIC NO.:					
Secondary Smelting & Refinin	g of Non-Ferro	us Metals	3341				
15a) LATITUDE (DD:MM;SS):		b) LONGITUDE (DE	-				
41:30:20			-87:37:00				
16a) UTM ZONE: b)	UTM VERTICAL	(KM): c) UTM HORIZONTAL (KM):				
17a) COORDINATE METHOD: b)	REFERENCE LO	DCATION: c) COORDINATE ACCURACY:				
	MapQ	uest					
18) SOURCE ENVIRONMENTAL CONTACT	FPERSON:	19a) CONTACT PERS	ON'S TELEPHONE NO.:				
James Langston			708-757-8902				
19b) CONTACT PERSON'S E-MAIL ADDRES	SS:						
	james.langsto	n@aleris.com					
20) NAME.	OWNER INF	ORMATION					
20) NAME: Aleris International, Inc.							
21) ADDRESS:							
258	25 Science Par	rk Drive, Suite 400					
22) CITY: 23)	STATE:	24) ZIP:					
Beachwood	Ohio		44122				
25) OWNER'S AGENT (IF APPLICABLE):	W-1						
, (
	OPERATOR IN	FORMATION					
26) NAME:							
	Aleris Recy	/cling, Inc.					
27) ADDRESS:							
,	400 East Line						
28) CITY: 29)	STATE:	30	D) ZIP:				
Chicago Heights	Illino	ois	60411				
	BILLING INF	ORMATION					
31) NAME:							
	Aleris Recy	roling, Inc.					
32) ADDRESS:	-						
	400 East Linc	oln Highway	TERRITORIA AND A				
33) CITY:	34) STATE:		35) ZIP:				
Chicago Heights	ŀ	llinois	60411				

36)	CONTACT PERSON:	37) CONTACT PERSON'S TELEPHONE NO.:	**********			
	Larry Lipa	708-757-8901				
38)	CONTACT PERSON'S E-MAIL ADDRESS:					
	larry.lipa@a	aleris.com				
	APPLICANT IN	FORMATION				
39)	WHO IS THE PERMIT OWNER 40) A	LL CORRESPONDENCE OWNER	**************************************			
	APPLICANT? TO CHECK ONE): TO OPERATOR TO	D: (CHECK ONE) OPERATOR	R			
41)	ATTENTION NAME AND/OR TITLE FOR WRITTEN CORRI	SOURCE				
7.,						
	Larry Lipa, Pla	_				
42)	TECHNICAL CONTACT PERSON FOR APPLICATION:	43) CONTACT PERSON'S TELEPHONE N	0.:			
	Larry Lipa	708-757-8901				
44)	CONTACT PERSON'S E-MAIL ADDRESS:					
	larry.lipa@a	aleris.com				
SEC	TION FOUR	PERMIT STATUS	M2W tellometeritomics			
<u> </u>		CANT APPLYING FOR A CAAPP PERM	IIT2			
	THE POTENTIAL TO EMIT ONE OR MORE CRITERIA A	IR POLLUTANT FOR THE SOURCE IS 100	-			
	TONS/YEAR OR GREATER? THE POTENTIAL TO EMI SOURCE IS MORE THAN 10 TONS OF A SINGLE HAZA	RDOUS AIR POLLUTANT OR 25 TONS OF				
	COMBINED HAZARDOUS AIR POLLUTANTS? CHECK	ALL THAT APPLY.				
	CARBON MONOXIDE (CO)	NITROGEN OXIDES (NOx)				
1	PARTICULATE 10 MICROMETERS (PM10)	PARTICULATE MATTER (PART)				
	PARTICULATE 2.5 MICROMETERS (PM2.5)	SULFUR DIOXIDE (SO2)				
	VOLATILE ORGANIC MATERIAL (VOM)	SINGLE HAZARDOUS AIR POLLUTANT				
	COMBINED HAZARDOUS AIR POLLUTANT	OTHER (SPECIFY): Consent Decree				
			YES	МО		
2	THE SOURCE IS AN AFFECTED SOURCE FOR ACID F	1		\boxtimes		
3	THE POTENTIAL TO EMIT AN INDIVIDUAL HAZARDOL MORE OF ANY SINGLE HAZARDOUS AIR POLLUTANT	•				
4	THE POTENTIAL TO EMIT ALL SOURCE WIDE HAZAR OR MORE OF COMBINED HAZARDOUS AIR POLLUTA	NTS.		\boxtimes		
5	THE POTENTIAL TO EMIT A HAZARDOUS AIR POLLU- LOWER THRESHOLD.	TANT IS MORE THAN AN APPLICABLE		\boxtimes		
6	THE SOURCE IS AN AFFECTED SOURCE FOR OZONE UNDER TITLE 6 OF THE CLEAN AIR ACT.	DEPLETING SUBSTANCES REGULATED		\boxtimes		
7	THE SOURCE CONTAINS EQUIPMENT OR OPERATIO EMISSION STANDARDS (NSPS AND NESHAP) FOR W	NS SUBJECT TO CERTAIN USEPA HICH USEPA REQUIRES A CAAPP PERMIT				
8	ARE ACTUAL EMISSIONS OF THE SOURCE BELOW T PERMIT?	HE APPLICABILITY LEVELS FOR A CAAPP	\boxtimes			
	DOES THE APPLICATION CONTAIN PROPOSED PERI THE EMISSIONS AND PRODUCTION OR OPERATION	MIT LIMITATIONS THAT WILL CONSTRAIN				
9	EMISSIONS OF THE SOURCE WILL FALL BELOW THE	ELEVELS FOR WHICH A CAAPP PERMIT IS		\boxtimes		
	REQUIRED? DOES THE APPLICANT HEREBY REQUEST A FEDERA	ALLY ENFORCEABLE STATE OPERATING				
10	PERMIT (FESOP) CONSTRAINING THE EMISSIONS AT SOURCE SUCH THAT POTENTIAL EMISSIONS WOULD THEREBY EXCLUDE THE SOURCE FROM REQUIRING	ND PRODUCTION OR OPERATION OF THE DEFAULT BELOW APPLICABILITY LEVELS AND				

	TION FIVE SUMMARY OF APPLICATION CONTEN	Т СНЕ	CKLIS	ST.	
ANSV THE I THE I	PLETE THE FOLLOWING TABLE, ANSWERING YES, NO, OR N/A AS APPROPRIATE. VERING "NO" TO ANY OF THE BELOW, EXCEPT ITEM 33 OR 34, MAY RESULT IN LLINOIS EPA REQUESTING ADDITIONAL INFORMATION, OR POSSIBLY DEEMING APPLICATION TO BE INCOMPLETE. E APPLICANT CHOOSES TO INCORPORATE BY REFERENCE DATA PREVIOUSLY	INFORMATION PROVIDED			INCORPORATE BY REFERENCE
SUBM	NITTED, SELECT THAT COLUMN APPROPRIATLY AND INCLUDE A COMPLETED RPORATION BY REFERENCE" FORM 287-CAAPP	YES	NO	N/A	INCOR
1)	DOES THE APPLICATION INCLUDE A TABLE OF CONTENTS?				\boxtimes
2)	DOES THE APPLICATION INCLUDE A COMPLETE PROCESS DESCRIPTION FOR THE SOURCE?				\boxtimes
3)	DOES THE APPLICATION INCLUDE A PLOT PLAN AND/OR MAP DEPICTING THE AREA WITHIN ONE-QUARTER MILE OF THE SOURCE?				\boxtimes
4)	DOES THE APPLICATION INCLUDE A PROCESS FLOW DIAGRAM(S) SHOWING ALL EMISSION UNITS AND CONTROL EQUIPMENT, AND THEIR RELATIONSHIP?				\boxtimes
5)	DOES THE APPLICATION INCLUDE THE APPROPRIATE, COMPLETED FORMS FOR ALL INDIVIDUAL EMSSION UNITS AND AIR POLLUTION CONTROL EQUIPMENT, LISTING ALL APPLICABLE REQUIREMENTS AND PROPOSED EXEMPTIONS FROM OTHERWISE APPLICABLE REQUIREMENTS?				\boxtimes
6)	DOES THE APPLICATION INCLUDE CALCULATIONS TO THE EXTENT THEY ARE RELATED TO AIR EMISSIONS (E.G., FOR POLLUTANT EMISSION RATES, FUELS, RAW MATERIALS USAGE, OR CONTROL EQUIPMENT EFFICIENCY)?				\boxtimes
7)	DOES THE APPLICATION INCLUDE A COMPLETED "LISTING OF SIGNIFICANT ACTIVITIES" FORM 299-CAAPP?	\boxtimes			
8)	DOES THE APPLICATION INCLUDE A COMPLETED "INCORPORATION BY REFERENCE" FORM 287-CAAPP.	X			
9)	DOES THE APPLICATION INCLUDE A COMPLETED "HAZARDOUS AIR POLLUTANT EMISSION SUMMARY" FORM 215-CAAPP?	X			
10)	DOES THE APPLICATION INCLUDE A COMPLETED "FEE DETERMINATION FOR CAAPP PERMIT" FORM 292-CAAPP? (NOTE: ANNUAL FEES WILL BE BASED UPON INFORMATION CONTAINED IN THIS FORM.)	X			
11)	DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT" FORM 293-CAAPP?	X			
12)	DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE-ADDENDUM FOR NONCOMPLYING EMISSION UNITS" FORM 294-CAAPP FOR ONE OR MORE NONCOMPLIANT EMISSION UNITS FOR WHICH ISSUANCE OF A CAAPP PERMIT IS REQUESTED?			\boxtimes	
13)	DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE CERTIFICATION" FORM 298-CAAPP?	\boxtimes			
14)	DOES THE APPLICATION INCLUDE A COMPLETED "LISTING OF INSIGNIFICANT ACTIVITIES" FORM 297-CAAPP?	\boxtimes			
15)	DOES THE APPLICATION INCLUDE A COMPLETED "FUGITIVE EMISSION" FORM 391-CAAPP?				\boxtimes
16)	DOES THE APPLICATION INCLUDE A COMPLIANCE ASSURANCE MONITORING PLAN (FORM 464-CAAPP) PURSUANT TO 40 CFR PART 64?			\boxtimes	
17)	HAS THE APPLICANT REGISTERED A RISK MANAGEMENT PROGRAM FOR ACCIDENTAL RELEASES PURSUANT TO SECTION 112(R) OF THE CLEAN AIR ACT AS AMENDED IN 1990 OR INTENDS TO COMPLY WITH THIS REQUIREMENT IN ACCORDANCE WITH ITS COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE?			\boxtimes	
18)	HAS THE APPLICANT SUBMITTED A FUGITIVE PARTICULATE MATTER OPERATING PROGRAM PURSUANT TO 35 IAC 212.309?				\boxtimes
19)	HAS THE APPLICANT SUBMITTED A PM10 CONTINGENCY MEASURE PLAN PURSUANT TO 35 IAC 212.700?			X	
20)	HAS THE APPLICANT SUBMITTED AN EPISODE ACTION PLAN PURSUANT TO 35 IAC 244.141 FOR THE FACILITIES FOR WHICH ACTION PLANS ARE REQUIRED (SEE 35 IAC 244.142)?			X	
21a)	HAS THE APPLICANT SUBMIT A REQUEST FOR A PERMIT SHIELD FOR THE ENTIRE SOURCE?				\boxtimes
21b)	IF NO, DOES THE APPLICATION CONTAIN A REQUEST FOR A PERMIT SHIELD FOR SPECIFIC ITEMS ONLY, IN ACCORDANCE WITH THE INSTRUCTIONS FOR A CAAPP PERMIT?			×	
22)	IF THIS IS A RENEWAL APPLICATION, WAS THE APPLICATION SUBMITTED IN A TIMELY MANNER, I.E., NOT LATER THAN 9 MONTHS BEFORE THE EXPIRATION DATE OF THE EXISTING CAAPP PERMIT PURSUANT TO SECTION 39.5(5)(N) OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT AND 35 IAC 270 301(D)			X	

Page 4 of 5

SECT	SECTION FIVE SUMMARY OF APPLICATION CONTENT CHECKLIST - CONTINUED								
ANSW THE IL THE A IF THE	LETE THE FOLLOWING TABLE, ANSWERING YES, NO, OR N/A AS APPROPRIATE. ERING "NO" TO ANY OF THE BELOW, EXCEPT ITEM 34 OR 35, MAY RESULT IN LINOIS EPA REQUESTING ADDITIONAL INFORMATION, OR POSSIBLY DEEMING PPLICATION TO BE INCOMPLETE. E APPLICANT CHOOSES TO INCORPORATE BY REFERENCE DATA PREVIOUSLY		INFORMATION PROVIDED		INCORPORATE 3Y REFERENCE				
	ITTED, SELECT THAT COLUMN APPROPRIATLY AND INCLUDE A COMPLETED RPORATION BY REFERENCE" FORM 287-CAAPP.	YES	NO	N/A	INCC BY R				
23)	DOES THE APPLICATION INCLUDE AN EARLY REDUCTION DEMONSTRATION FOR HAZARDOUS AIR POLLUTANTS (HAP) PURSUANT TO SECTION 112(I)(5) OF THE CLEAN AIR ACT AS AMENDED IN 1990?			\boxtimes					
24)	DOES THE APPLICATION REQUEST TO UTILIZE THE OPERATIONAL FLEXIBILITY PROVISIONS AND INCLUDE THE INFORMATION REQUIRED FOR SUCH USE?				×				
25)	DOES THE APPLICATION ADDRESS OTHER MODES OF OPERATION FOR WHICH A PERMIT IS BEING SOUGHT?								
26)	DOES THE APPLICATION INCLUDE ALL REASONABLY ANTICIPATED OPERATING SCENARIOS FOR WHICH A PERMIT IS BEING SOUGHT?	X							
27a)	DOES THE APPLICATION CONTAIN TRADE SECRET INFORMATION?		\boxtimes						
27b)	IF YES, HAS SUCH INFORMATION BEEN MARKED AND CLAIMED, AND TWO SEPARATE COPIES OF THE APPLICATION SUITABLE FOR PUBLIC INSPECTION BEEN SUBMITTED IN ACCORDANCE WITH APPLICABLE REGULATIONS?			×					
28a)	DOES THE APPLICANT HEREBY REQUEST OPERATION DURING A MALFUNCTION, CONSISTENT WITH 35 IAC 201.149?								
28b)	DOES THE APPLICANT HEREBY REQUEST OPERATION DURING A BREAKDOWN, CONSISTENT WITH 35 IAC 201.149?	\boxtimes							
28c)	DOES THE APPLICANT HEREBY REQUEST OPERATION DURING A STARTUP, CONSISTENT WITH 35 IAC 201.149?								
28d)	IF YES TO ANY OF 28a-c, DOES THE APPLICATION INCLUDE INFORMATION SPECIFIED IN 35 IAC 201.261 (CONTENTS OF REQUEST FOR PERMISSION TO OPERATE DURING A MALFUNCTION, BREAKDOWN OR STARTUP)?								
29)	DOES THE APPLICATION INCLUDE A PROPOSED DETERMINATION OF MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY (MACT) FOR HAZARDOUS AIR POLLUTANTS PURSUANT TO SECTION 112(G) OR (J) OF THE CLEAN AIR ACT AS AMENDED IN 1990?			X					
30)	DOES THE APPLICATION ADDRESS APPLICABLE RULES AND STANDARDS OF 40 CFR 60 NEW SOURCE PERFORMANCE STANDARD (NSPS)?								
32)	DOES THE APPLICATION ADDRESS APPLICABLE RULES AND STANDARDS OF 40 CFR 61 NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP)?				\boxtimes				
33)	DOES THE APPLICATION ADDRESS APPLICABLE RULES AND STANDARDS OF 40 CFR 63 NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES?								
34)	HAS THE APPLICANT RETAINED A COPY OF THIS APPLICATION AT THE SOURCE? (NOTE: IF TRADE SECRET INFORMATION IS NOT BEING SUBMITTED, THEN ONLY THE ORIGINAL APPLICATION NEED BE INITIALLY SUBMITTED, HOWEVER, THE ILLINOIS EPA MAY REQUEST UP TO 4 COPIES OF THE FINAL APPLICATION PRIOR TO PUBLIC NOTICE.)								
35)	DOES THE APPLICATION INCLUDE AN ELECTRONIC FILE OF THE APPLICATION (E.G., CD, DVD, ETC.)?								
	SIGNATURE BLOCK				٠.				
NOTE	THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITH	OUT A SIG	NED CE	RTIFICA	TION				
WILL BE DEEMED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE.									
A	UTHORIZED SIGNATURE:								
	BY: Plai	nt Mana	ger						
	AUTHORIZED SIGNATURE TITLE	OF SIGN	IATORY						
	Larry Lipa 7	22	/2	0/	3_				
	TYPED OR PRINTED NAME OF SIGNATORY DATE								



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E	EMISSION UNIT WHICH DOES NOT MIT A HAZARDOUS AIR POLLUTAN	-	FOR AGENCY USE ONLY ID NO.: PERMIT NO.: DATE:
SE	ECTION ONE		SOURCE INFORMATION
1)	SOURCE NAME: Aleris Recycling, Inc.		
2)	SOURCE ID NO.: 031045ANE	3)	DATE FORM PREPARED: 07 / 22 / 2013
SE	CTION TWO		NSTRUCTIONS IN BRIEF
1)	ACTIVITY AND PROVIDING EMISSION DATA FOR A MAY PRESUME THAT AN EMISSION UNIT DOES NO	AN EA	N EMISSION UNIT QUALIFIES AS AN <u>INSIGNIFICANT</u> MISSION UNIT IN A CAAPP APPLICATION, AN APPLICANT MIT AN AIR POLLUTANT LISTED AS HAZARDOUS CT IF IT MEETS THE REQUIREMENTS OF 35 IAC 201.209.
2)	PURSUANT TO 35 IAC 201.109, AN APPLICANT MAY POLLUTANT LISTED AS HAZARDOUS PURSUANT. A. RAW MATERIAL, OTHER THAN FUEL, FOI WEIGHT OF SUCH POLLUTANT THAT IS BE IN THE POLYCLIC ORGANIC MATTER HEXACHLORO BENZENE, MERCURY POLYCHLORINATED BIPHENYLS 2,3,7,8-TETRACHLORODIBENZO-2,3,7,8-TETRACHLORIDIBENZO-2,3,7,8-TETRACHLORIDIBENZO-3,7,8-TETRACHLORIDIBENZO-4,3,7,8-TETRACHLORI	AY PR TO S OR THE EQUA R THE YALLY S R S OF THE POLE DOES	RESUME THAT AN EMISSION UNIT DOES NOT EMIT AN AIR SECTION 112(B) OF THE CLEAN AIR ACT IF: HE EMISSION UNIT CONTAINS A CONCENTRATION BY AL TO OR LESS THAN THE FOLLOWING: E FOLLOWING POLLUTANTS IF MORE THAN 1 TON OF THE ACT OF THE
3)	FOR EMISSION UNIT(S) WHICH PRESUME NOT TO 35 IAC 201.109, PROVIDE AS AN ATTACHMENT THE DATA MAY INCLUDE MATERIAL SAFTEY DATA SHE	E NE(T AIR POLLUTANTS LISTED AS HAZARDOUS PURSUANT CESSARY DATA TO SUPPORT THE CLAIM. NECESSARY 5, RAW MATERIAL ANNUAL USAGE RATES, ETC.
4)	THIS FORM MAY BE COPIED AS NEEDED FOR ADD NEEDED, ATTACH AND LABEL WITH THE APPROPE	JITIOI RIATI	NAL EMISSION UNITS OR IF ADDITIONAL SPACE IS E EMISSION UNIT DESIGNATION.
5)	REFER TO 215A-CAAPP INSTRUCTIONS FOR FURT	ГНЕR	GUIDANCE ON COMPLETING THIS FORM.

	OTHER THAN FO												
EMISSION UNIT DESIGNATION	0.01 PERCENT BY THE FOLLOWING F MORE THAN 1 TON MATERIAL IS USED ALKYLATED LEAD POLYCYCLIC ORG, HEXACHLORO BEN MERCURY, POLYC BIPHENYLS, 2,3,7,8 TETRACHLORODIB AND 2,3,7,8- TETRACHLORIDIBE	0.01 PERCENT BY WEIGHT FOR POLLUTANTS OTHER THAN THOSE LISTED TO THE LEFT IF MORE THAN 1,000 TONS OF THE RAW MATERIAL ARE USED ANNUALLY?			0.1 PERCENT BY WEIGHT FOR POLLUTANTS OTHER THAN THOSE LISTED IN THE COLUMNS TO THE LEFT?			DOES TOUSED USED EMISS: QUALI HAZARDO EMISS: SUBJEC APPL REQUIRE THE POI	HAS DATA NECESSARY TO SUPPORT THE CLAIM THAT THE EMISSION UNIT DOES NOT EMIT AN HAZARDOUS AIR POLLUTANT BEEN PROVIDED AS AN ATTACHMENT TO THIS FORM?				
FH1	☐ YES	X NO		YES	⊠ мо		YES	NO 🔀	YES	⊠ №	\boxtimes	* YES	Ом
FH2	YES	⊠ NO		YES	⊠ ио		YES	⊠ NO	YES	⊠ NO	\boxtimes	* YES	No
SCH1	YES	⊠ no		YES	⊠ NO		YES	⊠ NO	YES	⊠ №	\boxtimes	* YES	No
BH5 (Charge Hood)	YES	⊠no		YES	⊠ NO		YES	⊠ NO	YES	⊠ №	\boxtimes	YES	□ NO
BH6 (Barrel Cutting)	YES	X NO		YES	⊠ ио		YES	⊠ NO	YES	⊠ NO	X	YES	Пио
	YES	NO		YES	□ NO		/ES	□NO	YES	NO		YES	□NO
	YES	Пио		YES	□ NO	Y	rES	□NO	YES	☐ NO		YES	□ NO
	YES	Пио		YES	□no		ÆS	No	YES	No		YES	No
	YES	Пио		YES	□NO	Y	ÆS.	□ NO	YES	Пио		YES	No

^{*} Previously addressed in initial CAAPP Permit Application and incorporated by reference in form 287-CAAPP included in this submittal.



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	IAZARDOUS AIR POLLUTANT (HAF EMISSION SUMMARY	3)	FOR AGENCY USE ONLY ID NO.: PERMIT NO.: DATE:			
SE	CTION ONE		SOURCE INFORMATION			
1)	SOURCE NAME: Aleris Recycling, Inc.					
2)	SOURCE ID NO.: 031045ANE	3)	DATE FORM PREPARED: 07 / 22 / 2013			
SE	CTION TWO	1	NSTRUCTIONS IN BRIEF			
1)	SECTIONS FOUR, FIVE, AND SIX MAY BE COPIED	AS I	TANT (HAP) INFORMATION FOR THE ENTIRE SOURCE. NEEDED FOR ADDITIONAL EMISSION UNITS OR IF WITH THE APPROPRIATE EMISSION UNIT DESIGNATION:			
2)	2) A NATURAL MINOR SOURCE FOR HAPS IS A SOURCE WHOSE POTENTIAL TO EMIT HAZARDOUS AIR POLLUTANTS IS LESS THAN THE CRITERIA FOR A MAJOR SOURCE OF HAP EMISSIONS WITHOUT REQUIRING SPECIFIC OPERATIONAL RESTRICTIONS. THE HAP MAJOR SOURCE CRITERIA ARE LISTED IN NUMBER ONE SECTION THREE BELOW.					
3)	SOURCE IS ABLE TO REQUEST OPERATIONAL REBELOW THE APPLICABLE CRITERIA. THE HAP MA	OR A STF	CE WHOSE POTENTIAL TO EMIT HAZARDOUS AIR A MAJOR SOURCE OF HAP EMISSIONS, HOWEVER THE RICTIONS WHICH WILL LIMIT THE SOURCE EMISSIONS R SOURCE CRITERIA ARE LISTED IN NUMBER ONE OF RCE STATUS MAY BE USED TO AVOID CERTAIN RULE			
4)	FOR A MAJOR SOURCE OF HAP EMISSIONS AND OPERATIONAL RESTRICTIONS WHICH WILL LIMIT	THE IN N	NTIAL TO EMIT HAPS IS GREATER THAN THE CRITERIA SOURCE IS UNABLE OR UNWILLING TO REQUEST E SOURCE EMISSIONS BELOW THE APPLICABLE CRITERIA IUMBER ONE OF SECTION THREE BELOW. A MAJOR PERMIT.			
5)	APPLICABLE.	ERN	STABLISHED <u>BEFORE</u> THE FIRST REGULATORY IN ORDER TO ENSURE THE REGULATION WILL NOT BE COMPLIANCE DATE FOR AN APPLICABLE REGULATION			
6)	INCLUDE EMISSIONS OF HAPS AT ACTIVITIES PR CODE 201.210 AND 201.211.	OPC	SED TO BE INSIGNIFICANT PURSUANT TO 35 IL. ADM.			
7)	ACTIVITY AND PROVIDING EMISSION DATA FOR A MAY PRESUME THAT AN EMISSION UNIT DOES NOT PURSUANT TO SECTION 112(B) OF THE CLEAN AN UTILIZING THIS PROVISION, THE APPLICANT WILL CAAPP, "EMISSION UNIT WHICH DOES NOT EMIT	AN E OT E R AC L NE A HA	OT IF IT MEETS THE REQUIREMENTS OF 35 IAC 201.209. IF SED TO COMPLETE THE SUPPLEMENTAL FORM 215A-AZARDOUS AIR POLLUTANT".			
8)	REFER TO 215-CAAPP INSTRUCTIONS FOR FURTI	HER	GUIDANCE ON COMPLETING THIS FORM.			

SECTION THREE	HAZARDOUS AIR POLLUTANT STA	TUS	
,	E HAVE THE POTENTIAL TO EMIT, IN THE AGGREGATE, THE CK ALL THAT APPLY.		AVI DAGO PER LA PERSONAL DI PE
I) 10 TONS PER YE.	AR OR MORE OF ANY INDIVIDUAL HAZARDOUS AIR POLLUTANT.	YES	⊠ио
II) 25 TONS PER YE. POLLUTANTS.	AR OR MORE OF ANY COMBINATION OF HAZARDOUS AIR	YES	⊠ NO
	UANTITY AS ESTABLISHED BY RULE WHICH CLASSIFIES THE IOR FOR HAZARDOUS AIR POLLUTANTS.	YES	⊠ио
POLLUTANT SPE RULE SUCH THA SOLELY FOR THI APPLICABILITY T	MAZARDOUS AIR POLLUTANTS WHICH EQUAL OR EXCEED A ICIFIC CAAPP APPLICABILITY LEVEL AS ESTABLISHED BY USEPA IT THE SOURCE IS REQUIRED TO OBTAIN A CAAPP PERMIT IS REASON (I.E., HAP EMISSIONS BELOW THE CAAPP IHRESHOLDS SPECIFIED IN ITEMS (I), (II) &(III) ABOVE, BUT STILL BTAIN A CAAPP PERMIT PURSUANT TO A REGULATORY E.G., NESHAP)?	`YES	⊠ NO
	THE FOLLOWING FIVE CHOICES FOR THE SOURCE'S HAZARDOUS TATUS BY SELECTING "YES". SELECT "NO" FOR ALL OTHERS.		A.G. A.G. A.G. A.G. A.G. A.G. A.G. A.G.
IF "YES" COMPLE THE SOURCE. T NECESSARY SUI	A <u>NATURAL MINOR</u> SOURCE FOR HAZARDOUS AIR POLLUTANTS? ETE SECTION 4 AND ATTACH A POTENTIAL TO EMIT ANALYSIS FOR HE ANALYSIS MUST INCLUDE CALCULATIONS AND ANY PPORTING DOCUMENTATION AND ASSUMPTIONS WHICH JUSTIFY TRUE MINOR STATUS.	YES	□NO
FOR HAZARDOU FROM THE SOUF HAP AND 12.5 TO IF "YES" COMPLE	RCE REQUEST TO BE CONSIDERED A <u>SYNTHETIC MINOR</u> SOURCE IS AIR POLLUTANTS AND ACCEPT THAT THE EMISSIONS OF HAPS RCE SHALL BE <u>LESS</u> THAN 5 TONS/YEAR FOR EACH INDIVIDUAL DNS/YEAR FOR ALL HAPS COMBINED? ETE SECTIONS 4, AND PROVIDE AS AN ATTACHMENT THE MOST (1) YEARS OF ACTUAL HAP EMISSIONS DATA.	YES	⊠ NO
FOR HAZARDOU FROM THE SOUF HAP AND 20 TON IF "YES" COMPLE	RCE REQUEST TO BE CONSIDERED A <u>SYNTHETIC MINOR</u> SOURCE IS AIR POLLUTANTS AND ACCEPT THAT THE EMISSIONS OF HAPS RCE SHALL BE <u>LESS</u> THAN 8 TONS/YEAR FOR EACH INDIVIDUAL NS/YEAR FOR ALL HAPS COMBINED? ETE SECTIONS 4 AND SECTION 5, AND PROVIDE AS AN HE MOST RECENT FIVE (5) YEARS OF ACTUAL HAP EMISSIONS	YES	⊠ no
FOR HAZARDOU FROM THE SOUI INDIVIDUAL HAP 10 TONS/YEAR F COMBINED? IF "YES" COMPLI	RCE REQUEST TO BE CONSIDERED A <u>SYNTHETIC MINOR</u> SOURCE IS AIR POLLUTANTS AND ACCEPT THAT THE EMISSIONS OF HAPS RCE SHALL BE <u>GREATER</u> THAN 8 TONS/YEAR FOR EACH PAND 20 TONS/YEAR FOR ALL HAPS COMBINED, BUT <u>LESS</u> THAN FOR EACH INDIVIDUAL HAP AND 25 TONS/YEAR FOR ALL HAPS ETE SECTIONS 4, 5, AND 6, AND PROVIDE AS AN ATTACHMENT ENT FIVE (5) YEARS OF ACTUAL HAP EMISSIONS DATA.	YES	⊠ no
V) DOES THE SOUI HAZARDOUS AII IF "YES" COMPL		X YES	□NO
ABOVE, HAS THE	QUESTIONS AT SECTION THREE QUESTION 2(II) OR 2(III) OR 2(IV) E SOURCE PROVIDE AS AN ATTACHMENT THE MOST RECENT FIVE STUAL HAP EMISSIONS DATA.	YES N/A	Пио

^{*} Based on Consent Decree.

SECTION FOUR	G TABLE FOR <u>ALL</u> HAPS. THIS TABLE MUS			SATACTIVITIES		DE EVENDT DUDGUART TO SELAC
201,146 OR INSIGNIFICANT	PURSUANT TO 35 IAC 201,210 OR 201,211	UNLESS THOSE EMISS	SION UNITS DO N	OT EMIT A HAP	PURSUANT TO 3	35 IAC 201,209. IF UTILIZING THIS
PROVISION, THE APPLICAN	T WILL NEED TO COMPLETE FORM 215A-0		T WHICH DOES I	NOT EMIT A HAZ	ARDOUS AIR PC	LLUTANT."
EMISSION UNIT DESIGNATION	NAME OF HAP EMITTED	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER	TYPICAL EMISSIONS (TONS//YR)	MAXIMUM EMISSIONS (TONS/YR)	POTENTIAL EMISSIONS (TONS/YR)	APPLICABLE STANDARD(S)
Rotary Furnace 1 & 3	Hydrogen Chloride	7647-01-0	1.00	1.20	1.20	40 CFR 63.1505(i)
Rotary Furnace 1 & 3	Dioxins & Furans	9014-42-0 110-00-9	Less then the NESHAP allowed level of 15 µg TEQ per MG charge material.	Less than the NESHAP allowed level of 15 µg TEQ per MG charge material.	Less than the NESHAP allowed level of 15 µg TEQ per MG charge material.	40 CFR 63.1505(i)
4						

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SECTION FIVE HAP TESTING TO VERIFY MINOR SOURCE STATUS				
¹ EMISSION UNIT DESIGNATION	² NAME OF PREDOMINANT HAPS EMITTED	³ HAP TESTING METHODOLOGY	⁴ HAP TESTING FREQUENCY	⁵ HAP TESTING RATIONALE
N/A				
				:

LIST THOSE EMISSION UNIT(S) AT THE SOURCE WHICH CONTRIBUTE AT LEAST 1.0 TON/YEAR FOR AN INDIVIDUAL HAP OR 2.5 TONS/YEAR FOR ALL HAPS COMBINED.

PREDOMINANT HAPS ARE THOSE CONSTITUENT HAP EMISSIONS WHICH CONTRIBUTE GREATER THAN 25% OF THAT EMISSION UNIT'S HAP CONTRIBUTION.

LIST THE SOURCE'S SUGGESTED HAP TESTING FREQUENCY.

EXPLAIN THE RATIONALE AND ADEQUACY OF THE SUGGESTED TESTING.

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LIST THE SOURCE'S SUGGESTED HAP TESTING METHODOLOGY: 1) STACK TEST (LIST METHOD), 2) STANDARD TEST METHOD (EXPLAIN), 3) RELEVANT NSPS OR NESHAP TEST METHODOLOGY WHICH TESTS FOR HAPS (EXPLAIN), 4) MANUFACTURE'S HAP TESTING (EXPLAIN), 5) OTHER (EXPLAIN)

EMISSION UNIT DESIGNATION	¹ PROCESS LIMITATIONS	² HAP CALCULATION METHODOLOGY	³ HAP EMISSION LIMITATIONS	⁴ RECORDKEEPING
N/A				
				·

¹ LIST THE SOURCE'S SUGGESTED PROCESS LIMITATIONS WHICH WILL CONSTRAIN THE PROCESS'S HAP EMISSIONS. PROCESS LIMITATIONS INCLUDE PRODUCION LIMITS, FUEL USAGE LIMITS, OPERATING RESTRICTIONS, ETC.

4 LIST THE SOURCE'S SUGGESTED RECORDICEPING NEEDED TO DOCUMENT THE PROCESS AND EMISSION LIMITATIONS.

² LIST THE SOURCE'S SUGGESTED HAP CALCULATION METHODOLOGY: 1) STACK TEST, 2) STANDARD TEST METHOD (EXPLAIN), 3) MANUFACTURE'S HAP TESTING, 4) MATERIAL BALANCE, 5) EMISSION FACTOR, 6) OTHER (EXPLAIN).

³ LIST THE SOURCE'S SUGGESTED HAP EMISSION LIMITATIONS WHICH WILL LIMIT THE SOURCE TO LESS THAN 10 TONS/YEAR FOR EACH INDIVIDUAL HAP AND 25 TONS/YEAR FOR ALL HAPS COMBINED.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

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	FOR AGENCY USE ONLY
REQUEST FOR	ID NO.:
NON-APPLICABILITY, EXCEPTION, OR EXCLUSION	PERMIT NO.:
OF REGULATORY REQUIREMEN	ITS DATE:
SECTION ONE	SOURCE INFORMATION
1) SOURCE NAME: Aleris Recycling, Inc.	
2) SOURCE ID NO.: 031045ANE	3) DATE FORM PREPARED: 07 / 22 / 2013
SECTION TWO	INSTRUCTIONS IN BRIEF
NON-APPLICABILITY, EXCEPTION, OR EXCLUS	ON UNIT ON A POLLUTANT BASIS THAT YOU ARE REQUESTING A SION OF REGULATORY REQUIREMENTS. THIS SECTION MAY BE ION UNITS OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND

COM 1) NON COP

LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION.

- NON-APPLICABILITY OF REGULATORY REQUIREMENTS ARE FOR THOSE EQUIPMENT OR OPERATIONS WHICH ARE EXPLICITLY NOT SUBJECT IN ENTIRITY TO CERTAIN REGULATION (E.G., NON-APPLICABLE TO A REGULATION DUE TO FAILING TO MEET A DEFINITION REQUIREMENT.)
- EXCLUSIONS OF REGULATORY REQUIREMENTS ARE FOR THOSE EQUIPMENT OR OPERATIONS WHICH ARE SUBJECT TO A REGULATION WHICH SUBSEQUENTLY EXCLUDES THE SOURCE FROM THE ENTIRITY OF THE REGULATION (E.G., EXCLUDED FROM A REGULATION DUE TO AN INSUFFICIENT PROCESSSING RATE IN AN APPLICABILITY TEST).
- EXCEPTIONS OF REGULATORY REQUIREMENTS ARE FOR THOSE EQUIPMENT OR OPERATIONS WHICH ARE SUBJECT TO PORTIONS OF A REGULATION AND WHICH ARE ALSO SUBSEQUENTLY EXCEPTED FROM OTHER PORTIONS OF THE REGULATORY REQUIREMENTS. (E.G., EXCEPTED FROM A REGULATORY EMISSION LIMITATIONS BUT REQUIRED TO MAINTAIN SPECIFIC RECORDS).
- REFER TO 280-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.

SEC	TION THREE PER	RMITTEE'S REQUESTS
	SELECT BELOW FOR NON-APPLICABILITY, EXCEPTION, C REQUIREMENTS. IF "NONE" PAGES 2-4 DO NOT NEED TO APPROPRIATE PAGE(S).	OR EXCLUSION FOR ANY REGULATORY DIES COMPLETED; OTHERWISE COMPLETE THE
X	NON-APPLICABILITY OF REGULATORY REQUIREMENTS.	NONE.
	EXCEPTION OF REGULATORY REQUIREMENTS.	EXCLUSION OF REGULATORY REQUIREMENTS.
	OLOSIA TILOF	DIOOK
	SIGNATURE	
	THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFF WILL BE RETURNED AS INCOMPLETE.	
	CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INF IQUIRY, THE STATEMENTS AND INFORMATION CONTAIN OMPLETE.	FORMATION AND BELIEF FORMED AFTER REASONABLE IED IN THIS APPLICATION ARE TRUE, ACCURATE AND
А	UTHORIZED SIGNATURE:	
	BY: 121.	Plant Manager

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

AUTHORIZED SIGNATURE

Larry Lipa TYPED OR PRINTED NAME OF SIGNATORY TITLE OF SIGNATORY

SECTION FOUR REQUIREMENTS FOR NON-APPLICABILITY REQUEST							
EMISSION UNIT DESIGNATI	ON: RF1 & RF3			NON-APPI	R/T1N NEEDED TO MAINTAIN THE LICABILITY? IF "YES" ALSO		
NON-APPLICABILITY OF:	NON-APPLICABLE RULE	RATIONALE AND	OR EVIDENCE FOR NON-APPLICABILITY	COMPLET	E 283-CAAPP, IF NOT EXPLAIN.		
	35 IAC Part 218 Subpart TT	Source wide PTE of le	ess than 25 ton/year VOM.	-	N/A		
I STATE RULE	35 IAC Part 205	Furnaces will emit les	s than 15 ton/(ERMS) season	YES NO	:		
		·					
II NEW SOURCE PERFORMANCE STANDARD (NSPS)				YES NO			
III NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)				☐YES			
IV COMPLIANCE . ASSURANCE MONITORING (CAM)				☐YES			
V OTHER (EXPLAIN):				☐YES ☐ NO			
VI ANY RULE AVOIDANCE BASED SOLELY ON DATE CONSTRUCTED, RECONSTRUCTED, OR MODIFIED MUST COMPLETE THE FOLLOWING CERTIFICATION	1. APPLICABILITY DATE OF RULE MM/DD/YY: 2. DATE CONSTRUCTED MM/DD/YY: 3. DATE OF LAST MODIFICATION/RECONSTRUCTION MM/DD/YY:		CERTIFICATION STATEMENT: BY ANSWERING "YES" BELOW, THE PERMITTEE CERTIFIES THAT THE EMISSION UNIT AB HAS NOT BEEN CONSTRUCTED, RECONSTRUCTED, OR MODIFIED, CONSISTENT WITH THAPPLICABLE DEFINITIONS FOR THOSE TERMS, SINCE THE DATE(S) LISTED TO THE LEFT DETERMINATION IS BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY WITH PERSONNEL FAMILIAR WITH THE EMISSION UNIT(S) AND A DUE DILIGENC REVIEW OF RECORDS.				

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SE	SECTION FOUR REQUIREMENTS FOR EXCEPTION REQUEST							
EM	ISSION UNIT DESIGNATION	DN: N/A			NON-APPL	R/T1N NEEDED TO MAINTAIN THE ICABILITY? IF "YES" ALSO		
 -	EXCEPTION OF:	NON-APPLICABLE RULE	RATIONALE AND	/OR EVIDENCE FOR NON-APPLICABILITY	COMPLET	E 283-CAAPP, IF NOT EXPLAIN.		
The state of the s	STATE RULE				□YES			
The first contraction of the first contraction	NEW SOURCE PERFORMANCE STANDARD (NSPS)		,		☐YES			
COMPANY CONTRACTOR CON	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)				☐YES			
>	COMPLIANCE ASSURANCE MONITORING (CAM)				YES NO			
	OTHER (EXPLAIN):			3	□YES □ NO			
	ANY RULE AVOIDANCE BASED SOLELY ON DATE CONSTRUCTED, RECONSTRUCTED, OR MODIFIED MUST COMPLETE THE FOLLOWING CERTIFICATION	1. APPLICABILITY DATE OF RULE MM/DD/YY: 2. DATE CONSTRUCTED MM/DD/YY: 3. DATE OF LAST MODIFICATION/I MM/DD/YY:	RECONSTRUCTION	CERTIFICATI BY ANSWERING "YES" BELOW, THE PERMITTE HAS NOT BEEN CONSTRUCTED, RECONSTRU- APPLICABLE DEFINITIONS FOR THOSE TERMS DETERMINATION IS BASED ON INFORMATION INQUIRY WITH PERSONNEL FAMILIAR WITH THE REVIEW OF RECORDS.	CTED, OR MO S, SINCE THE AND BELIFE I	THAT THE EMISSION UNIT ABOVE DIFIED, CONSISTENT WITH THE DATE(S) LISTED TO THE LEFT. THIS FORMED AFTER REASONABLE UNIT(S) AND A DUE DILIGENCE		

SECTION FOUR		REQUI	REMENTS FOR EXCLUSION REQUEST		
EMISSION UNIT DESIGNAT	ION: N/A			IS A T1/T1	R/T1N NEEDED TO MAINTAIN THE LICABILITY? IF "YES" ALSO
EXCLUSION OF:	NON-APPLICABLE RULE	RATIONALE ANI	D/OR EVIDENCE FOR NON-APPLICABILITY		E 283-CAAPP, IF NOT EXPLAIN.
I STATE RULE				□YES	·.
II NEW SOURCE PERFORMANCE STANDARD (NSPS)				YES NO	
III NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)				☐YES	
IV COMPLIANCE ASSURANCE MONITORING (CAM)				☐YES	
V OTHER (EXPLAIN):				□YES	
VI ANY RULE AVOIDANCE BASED SOLELY ON DATE CONSTRUCTED, RECONSTRUCTED, OR MODIFIED MUST COMPLETE THE FOLLOWING CERTIFICATION	1. APPLICABILITY DATE OF RULE MM/DD/YY: 2. DATE CONSTRUCTED MM/DD/YY: 3. DATE OF LAST MODIFICATION/ MM/DD/YY:		CERTIFICATION BY ANSWERING "YES" BELOW, THE PERMITT HAS NOT BEEN CONSTRUCTED, RECONSTRUATED, RECONSTRUATIONS FOR THOSE TERM DETERMINATION IS BASED ON INFORMATION INQUIRY WITH PERSONNEL FAMILIAR WITH REVIEW OF RECORDS.	JCTED, OR MOI IS, SINCE THE I N AND BELIEF F THE EMISSION	THAT THE EMISSION UNIT ABOVE DIFIED, CONSISTENT WITH THE DATE(S) LISTED TO THE LEFT. THIS FORMED AFTER REASONABLE UNIT(S) AND A DUE DILIGENCE

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Source Designation:				

REQUEST FOR PERIODIC MONITORING

FOR AGENCY USE ONLY				
ID NUMBER:				
PERMIT #:				
DATE:				

SE	CTION ONE			SOURCE INFORMATIO	٧			
1)	SOURCE NAME:	Aleris Recycling, Inc.						
2)	SOURCE ID NO.:	031045ANE	3)	DATE FORM PREPARED:	07	/ 22	/ 2013	

SECTION TWO

INSTRUCTIONS IN BRIEF

- COMPLETE THE FOLLOWING FORM TO ESTABLISH PERIODIC MONITORING FOR ALL EMISSION UNITS MEETING THE CRITERIA LISTED IN SECTION THREE.
- 2) THIS FORM IS NOT TO BE FILLED OUT FOR THE POLLUTANTS FOR EMISSION UNITS SUBJECT TO THE COMPLIANCE ASSURANCE MONITORING (CAM) IN 40 CFR PART 64.
- NOTE: CAM IS APPLICABLE ON A PER POLLUTANT BASIS AS IS PERIODIC MONITORING, THEREFORE A GIVEN EMISSION UNIT MAY BE BOTH REQUIRED TO SUBMIT A CAM PLAN FOR CERTAIN POLLUTANTS AND ALSO ADDRESS PERIODIC MONITORING FOR THOSE POLLUTANTS NOT COVERED UNDER CAM.
- 3) PERIODIC MONITORING IS THE COMBINATION OF MONITORING REQUIRED BY THE APPLICABLE REQUIREMENTS AND THE MONITORING CREATED IN THE TITLE V PERMIT THAT IS NECESSARY TO MEET THE CLEAN AIR ACT REQUIREMENTS THAT THE PERMIT ASSURES COMPLIANCE WITH THE APPLICABLE REQUIREMENTS.
- 4) MONITORING IS A BROAD TERM DESCRIBING A SOURCE'S ONGOING COMPLIANCE ASSURANCE ACTIVITIES. MONITORING INCLUDES ACTIVITIES SUCH AS: CONTINUOUS EMISSION MONITORING (CEM), PARAMETRIC EMISSION MONITORING (PEM), PARAMETRIC MONITORING (CONTINUOUS OR AT SPECIFIED INTERVALS), PERIODIC SOURCE TESTING, RECORDKEEPING, REPORTING, ETC.
- THE EXPLANATORY FOOTNOTES IN SECTION SIX ARE USED TO COMPLETE SECTIONS FOUR AND FIVE.
- 6) REFER TO 281-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.

SECTION THREE

PERIODIC MONITORING DETERMINATION

EMISSION UNIT(S) AT THIS SOURCE MEETING ALL OF THE FOLLOWING CRITERIA MUST COMPLETE THIS FORM.

- 1) THE EMISSION UNIT IS LOCATED AT A MAJOR SOURCE THAT IS REQUIRED TO OBTAIN A CAAPP PERMIT.
- 2) THE EMISSION UNIT DOES NOT HAVE PERIODIC MONITORING PRESUMED TO BE ADEQUATE AS BELOW:
 - CONTINUOUS COMPLIANCE DETERMINATION METHODS SUCH AS CEMS OR COMS.
 - MONITORING IN NSPS AND NESHAP STANDARDS PROPOSED AFTER 1990.
 - · ACID RAIN MONITORING REQUIREMENTS.
- 3) THE EMISSION UNIT IS <u>NOT</u> CLASSIFIED AS AN INSIGNIFICANT ACTIVITY ACCORDING TO 35 ILL. ADM. CODE, SECTION 201.210 AND 201.211.
- 4) THE EMISSION UNIT IS <u>NOT</u> CLASSIFIED AS A POLLUTANT-SPECIFIC EMISSIONS UNIT (PSEU) SUBJECT TO THE COMPLIANCE ASSURANCE MONITORING (CAM) PLAN OF 40 CFR PART 64.

SECTION FOL		BACKGROU	IND DATA AND	INFORMATIO	ON – UNITS SUBJECT TO PE	RIODIC MONITORING
COMPLETE THE I	FOLLOWING TABLE FOR <u>EACH</u> OR EACH EMISSION UNIT. IF AD	EMISSION UNIT TO DITIONAL SPACE	THAT IS SUBJECT T E IS NEEDED, ATTA	O PERIODIC M CH AND LABEL	ONITORING. THIS SECTION IS TO	BE USED TO PROVIDE BACKGROUND DATA AND
EMISSION UNIT DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	TYPE A	LIMITATION, CONDITION, OR STANDARD	PERIODIC MONITORING REQUIREMENTS
EXAMPLE COATER#1	METAL PARTS COATING LINE #1	VoM	THERMAL AFTERBÜRNER #1	PERMIT WP PAR REG OTHER	24.9 TPY OF VOM 35 IAC 218.207(b)(1) - 81% OVERALL EMISSIONS REDUCTION	1. 35 IAC 218.105(D)(2)(A)(I) – MONITORING: AFTERBURNER COMBUSTION CHAMBER TEMPERATURE 2. 35 IAC 218.105 – TESTING: CAPTURE SYSTEM EFFICIENCY TEST 3. 35 IAC 218.211(A) – RECORDKEEPING 4. 35 IAC 218.211(E)(3)(A) - REPORTING:
*		·		PERMIT WP PAR REG OTHER		
				PERMIT WP PAR REG OTHER		
				PERMIT WP PAR REG OTHER		
	·			PERMIT WP PAR REG OTHER		

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^{*} Aleris requests that the monitoring requirements contained in Construction Permit # 11050038 issued on July 25, 2012 be included in this form. A 287-CAAPP form, which incorporates by reference the application listed above, is included as part of this submittal.

SECTION FIVE			RE	QUE	STED PERIODIC MONITOR	NG APPRO	ACH
COMPLETE THIS SE SECTION IS TO BE MONITORING APPRO	LICED TO DROVINE !	MONITO ED FOR	DING DATA AND INFORMATIC	バー 巨八	NR FACH MONITORING APPROA	CH SELECTE	OPIED AS NEEDED FOR EACH EMISSION UNIT. THIS DEFORE THE FORM THAN TWO THE THE APPROPRIATE EMISSION UNIT DESIGNATION,
EMISSION UNIT DESIGNATION:	POLLUTANT:		ONITORING APPROACH NO. 1: ^{B, C}		MONITORING APPROACH NO. 2: ^{B, C}	ADEQUACY REASONS	FURTHER RATIONALE AND JUSTIFICATION FOR MONITORING ADEQUACY
APPROACH USE	BE THE MONITORING ID TO MEASURE FOR LIANCE ASSURANCE:	F	PERIODIC PERFORMANCE TEST PERIODIC INSPECTIONS PERIODIC MATERIAL SAMPLING RECORDKEEPING CONTROL PERFORMANCE ENGINEERING ASSESSMENTS DTHER:		PERIODIC PERFORMANCE TEST PERIODIC INSPECTIONS PERIODIC MATERIAL SAMPLING RECORDKEEPING CONTROL PERFORMANCE ENGINEERING ASSESSMENTS OTHER:		
PROCEDURES F PROVIDE A REASO OF COMPLIANCE (E	E THE APPROPRIATE FOR MONITORING TO DNABLE ASSURANCE E.G., TEMPERATURE, USAGE RATES, ETC):						
OBTAINING REPI	PECIFICATIONS FOR RESENTATIVE DATA, ETECTOR LOCATION, ECIFICATIONS, ETC.):						
	FORING FREQUENCY Y, ANNUALLY, ETC.):			milm (W. strater varue varue varue) service de la companya de la c			
PROCEDURES (E.G., DATA AC	E DATA COLLECTION THAT WILL BE USED CQUISITION SYSTEM, STRIPCHART, ETC.):				-		
PERIOD FOR DETE	HE DATA AVERAGING ERMINING WHETHER R EXCEEDANCE HAS DURLY, DAILY, ETC.):					,	

SECTION SIX

PERIODIC MONITORING FOOTNOTES

- A INDICATE THE EMISSION LIMITATION OR STANDARD FOR ANY APPLICABLE REQUIREMENT THAT CONSTITUTES AN EMISSION LIMITATION, EMISSION STANDARD, OR STANDARD OF PERFORMANCE FOR WHICH PERIODIC MONITORING IS REQUIRED. EXAMPLES OF EMISSION LIMITATIONS OR STANDARDS MAY INCLUDE PERMITTED EMISSION LIMITATIONS (PERMIT), APPLICABLE REGULATIONS (REG), WORK PRACTICES (WP), PROCESS OR CONTROL DEVICE PARAMETERS (PAR), OR OTHER FORMS OF SPECIFIC DESIGN, EQUIPMENT, OPERATIONAL, OR OPERATION AND MAINTENANCE REQUIREMENTS (OTHER).
- B CHOOSE THE REQUESTED MONITORING APPROACH AND DESCRIBE THE PARAMETERS TO BE MONITORED SUCH AS: EMISSION CONTROL PERFORMANCE FOR THE CONTROL DEVICE AND ASSOCIATED CAPTURE SYSTEM, MEASURED OR PREDICTED EMISSIONS (INCLUDING VISIBLE EMISSIONS OR OPACITY), PROCESS AND CONTROL DEVICE OPERATING PARAMETERS, RECORDED FINDINGS OF INSPECTION AND MAINTENANCE ACTIVITIES, ETC.
- C INCLUDE THE SPECIFIC INFORMATION REQUIRED FOR THE BELOW MONITORING APPROACHES. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION AND POLLUTANT):
 - PERFORMANCE TEST: A BRIEF SUMMARY OF THE MOST RECENT PERFORMANCE TEST RESULTS, AND DOCUMENTATION INDICATING THAT THERE HAVE BEEN NO CHANGES TO THE PROCESS OR CONTROL SYSTEM THAT COULD RESULT IN A SIGNIFICANT CHANGE TO THE TESTING METHODOLOGY SINCE THE LAST TESTING OCCURRED.
 - <u>ENGINEERING ASSESSMENTS</u>: ENGINEERING ASSESSMENTS AND OTHER DATA, SUCH AS
 MANUFACTURERS' DESIGN CRITERIA, HISTORICAL MONITORING DATA, FACTORS SPECIFIC TO THE TYPE
 OF MONITORING, CONTROL DEVICE, OR EMISSION UNIT. ETC.
- D CHOOSE AMONG THE FOLLOWING REASONS:
 - COMPLIANCE ASSURANCE (E.G., MONITORING KEY PARAMETERS AT ADEQUATE FREQUENCY TO DETERMINE COMPLIANCE, ETC.).
 - 2) MARGIN OF COMPLIANCE (E.G., EMISSION UNIT IS OPERATING WITH A COMFORTABLE MARGIN OF COMPLIANCE WITH RESPECT TO THE REGULATION SUCH THAT THE LIKELIHOOD OF AN EXCEEDANCE IS SMALL).
 - VARIABILITY (E.G., MORE OR LESS VARIABILITY OF EMISSIONS REQUIRES MORE OR LESS MONITORING, RESPECTIVELY).
 - EMISSION UNIT SIZE (E.G., MORE OR LESS EMISSIONS REQUIRES MORE OR LESS MONITORING, RESPECTIVELY).
 - 5) BURDEN/COST TO PERMITTEE (E.G., COST OF EQUIPMENT, PERSONNEL, TRAINING, ETC.).
 - 6) REASONABLENESS (E.G., TECHNICALLY FEASIBLE, EXISTING MONITORING BURDEN, ETC.).
 - 7) CONSISTENCY (E.G., SIMILAR METHODS AT SIMILAR OR IDENTICAL SOURCES WITH REGARD TO EMISSION UNIT TYPE AND SIZE).
 - 8) HISTORICAL TRACK RECORD OF COMPLIANCE (E.G., WHETHER OR NOT AN EMISSION UNIT HAS EVER BEEN THE SUBJECT OF A VIOLATION OF A STATE OR FEDERAL AIR STANDARD).
 - 9) OTHER (EXPLAIN).
- E PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTED MONITORING APPROACH. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION AND POLLUTANT).



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Source Des	ignati	on:	

s			FOR AGENCY USE ONLY
	·		ID NO.:
	STREAMLINE		PERMIT NO.:
	APPLICABLE REQUIREMENTS		
			DATE:
SE	CTION ONE		SOURCE INFORMATION
.1)	SOURCE NAME: Aleris Recycling, Inc.		
2)	SOURCE ID NO.: 031045ANE	3)	DATE FORM PREPARED: 07 / 22 / 2013
SE	CTION TWO		NSTRUCTIONS IN BRIEF
1)	THE USE OF STREAMLINING IS ENCOURAGED WI	HEN	MULTIPLE REQUIREMENTS OVERLAP FOR AN EMISSION E WITH ONE REQUIREMENT WOULD DEMONSTRATE
	NOX WHERE THE FEDERAL F OF A NOX CONTINUOUS EMINIS MORE STRINGENT THAN TO ADDITIONAL MONITORING, TO THESE REQUIREMENTS. THE ADDRESS COMPLIANCE WIT	REGI SSIC THE I HE PE H TH UIRE	H AN APPLICABLE STATE AND FEDERAL REGULATION FOR ULATION IS MORE STRINGENT AND REQUIRES THE USE ON MONITOR (CEM). BECAUSE THE FEDERAL STANDARD STATE REQUIREMENT WHILE ALSO REQUIRING PERMITTEE MAY WISH TO REQUEST TO STREAMLINE SEMITTEE MAY REQUEST TO HAVE THE PERMIT ONLY HE FEDERAL REGULATION BECAUSE COMPLIANCE WITH EMENT WILL ASSURE COMPLIANCE WITH THE LESS
	REQUIRES THE USE OF PER MONITORING REQUIREMENT	IODI TS M	S THE USE OF A CEM WHILE A FEDERAL REGULATION IC MONITORING. A REQUEST TO STREAMLINE THESE IAY BE APPROPRIATE AS A CONTINUOUS EMISSION A SUFFICIENT TO COMPLY WITH PERIODIC MONITORING.
2)			JIREMENT, COMPLETE SECTION FOUR AS NECESSARY TO SHITHE RATIONALE AND JUSTIFICATION FOR THE
3)	USE THE INSTRUCTIONAL FOOTNOTES IN SECTION REQUESTED IN THE COLUMN HEADINGS.	ОИ Т	THREE TO EXPLAIN THE INTENT OF THE INFORMATION
4)			A WAIVER OR SHIELD OF THAT REQUIREMENT. THE ACT ERMITTING PROCESS IN AREAS OF OVERLAP ONLY.
	DEELED TO 300 CAADD INCTDUCTIONS FOR EURIT		CHIDANICE ON COMPLETING THE FORM

SECTION THREE

FOOTNOTES TO SECTION FOUR

- A COMPLETE THIS SECTION FOR <u>EACH</u> EMISSION UNIT ON A POLLUTANT BASIS THAT STREAMLINING IS BEING REQUESTED. THIS SECTION MAY BE COPIED AS NEEDED FOR ADDITIONAL EMISSION UNITS OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS NECESSARY WITH THE APPROPRIATE EMISSION UNIT DESIGNATION.
- B CHOOSE WHICH RULE YOU REQUEST TO BE SUBJECTED TO DUE TO OVERLAPPING REQUIREMENT.
- C PROVIDE THE COMPLETE RULE CITATION, E.G., 35 IAC 218.204(J)(4)(B) OR 40 CFR 63.3890(B)(1).
- D PROVIDE ADEQUATE RATIONALE SUCH THAT A DETERMINATION CAN BE MADE WHETHER THE STREAMLINING REQUEST IS ACCEPTABLE. IF ONE REQUIREMENT IS MORE STRINGENT, LIST THE ONE STANDARD AS MORE STRINGENT. FOR OTHER CASES IT MAY BE NECESSARY TO PROVIDE SUPPORTING DATA TO PROVE THE ADEQUACY OF THE STREAMLINING REQUEST. OTHER NECESSARY DATA MAY INCLUDE CALCULATIONS, APPLICABILITY DETERMINATIONS, VARIANCES, CEM MONITORING, ETC.

SECTION FOUR		APPLICAB	<u>LE REQUIREMENTS OR PRO</u>	OVISIONS TO BE STREAMLINED A
EMISSION UNIT DESIGNAT	10N: N/A			
POLLUTANT:	RULE ^B	RULE I ^C	RULE II C	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING D
I APPLICABLE PROVISION OR REGULATION	RULE I	N/A		
II WORK PRACTICE OR CONTROL REQUIREMENTS	RULE I			
III TESTING REQUIREMENTS	RULE I			
IV MONITORING REQUIREMENTS	RULE I			
V RECORDKEEPING REQUIREMENTS	RULE II			
VI REPORTING REQUIREMENTS	RULE I			
EMISSION UNIT DESIGNAT	ION: N/A	·		
POLLUTANT:	RULE B			
1 ADDITOADIE	NULE	RULE I C	RULE II C	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING D
I APPLICABLE PROVISION OR REGULATION	RULE I	N/A	RULE II ^c	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING "
PROVISION OR	RULEI		RULE II ^c	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING
PROVISION OR REGULATION II WORK PRACTICE OR CONTROL	RULE I RULE II		RULE II ^c	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING
PROVISION OR REGULATION II WORK PRACTICE OR CONTROL REQUIREMENTS III TESTING	RULE II RULE II RULE II RULE II		RULE II ^c	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING
PROVISION OR REGULATION II WORK PRACTICE OR CONTROL REQUIREMENTS III TESTING REQUIREMENTS IV MONITORING	RULE I RULE II RULE II RULE II RULE II RULE II		RULE II ^c	RATIONALE AND JUSTIFICATION FOR THE STREAMLINING O

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Source Desi	gnati	on:	

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	500	AGENCY USE ONL	v	
	ID NO.:	AGENCT USE ONL	1	
SINGLE SOURCE DETERMINATION	PERMIT NO.:			
	DATE:	ive		
SECTION ONE	SOURCE INFORMA	TION		
SOURCE NAME: Aleris Recycling, Inc.	SOUNCE IN CITIES			
<u> </u>	3) DATE FORM PREPAR	ED: 07 / 2	2 / 2013	
SECTION TWO	INSTRUCTIONS IN	BRIEF		
COMPLETE SECTION FOUR FOR <u>EACH</u> SOURCE THE SINGLE SOURCE WITH THE PERMITTEE. THIS SECTION SOURCES OR IF ADDITIONAL SPACE IS NEEDED. IF COMPLETE SECTION FIVE OF THIS FORM AS THE SECTION FIVE OF THIS FORM FIVE OF THIS FORM FIVE OF THIS FORM FIVE OF THIS FORM FIVE OF THIS FIVE	TION MAY BE COPIED AS F COMPLETING THIS SEC	NEEDED FOR ADD TION THERE IS NO	NEED TO	
2) COMPLETE SECTION FIVE FOR EACH SOURCE THA SINGLE SOURCE WITH THE PERMITTEE. CHECK AL FORM A CONCISE BUT THOROUGH EXPLANATION OF THE ATTACHMENT(S) USING THE APPROPRIATE SI COPIED AS NEEDED FOR ADDITIONAL SOURCES OF	LL THAT APPLY AND PRO OF EACH CHECKED SING INGLE SOURCE FACTOR	IVIDE AS AN ATTAC LE SOURCE FACTO CONDITION. THIS S	CHMENT TO THIS DR. REFERENCE	
3) REFER TO 286-CAAPP INSTRUCTIONS FOR FURTHE	ER GUIDANCE ON COMPL	ETING THIS FORM		
3) REFER TO 286-CAAPP INSTRUCTIONS FOR FURTHE SECTION THREE	ER GUIDANCE ON COMPI SINGLE SOURCE S			
	SINGLE SOURCE S			
SECTION THREE	SINGLE SOURCE S E FOLLOWING):	TATUS		E Manager
SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT	TATUS HER SOURCE.	STATE OF	
SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE 1) THE ABOVE MENTIONED SOURCE IS A SING	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT GLE SOURCE WITH MULT	TATUS HER SOURCE. IPLE SOURCES.	STATE CO JUL 2 Environmental Pro BURENI	
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SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE 1) THE ABOVE MENTIONED SOURCE IS A SING 2) THE ABOVE MENTIONED SOURCE IS A SING 3) THE ABOVE MENTIONED SOURCE IS NOT A SIGNAT NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSI	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT GLE SOURCE WITH MULT A SINGLE SOURCE WITH A	TATUS HER SOURCE. IPLE SOURCES. ANOTHER SOURCE	STATE OF JUL 2	
SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE 1) THE ABOVE MENTIONED SOURCE IS A SING 2) THE ABOVE MENTIONED SOURCE IS A SING 3) THE ABOVE MENTIONED SOURCE IS NOT A SIGNAL	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT A SINGLE SOURCE WITH MULT TURE BLOCK BLE OFFICIAL APPLICATION ON INFORMATION AND B	TATUS HER SOURCE. IPLE SOURCES. ANOTHER SOURCE S WITHOUT A SIGNED SELIEF FORMED AF CATION ARE TRUE,	STATE OF STA	
SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE 1) THE ABOVE MENTIONED SOURCE IS A SING 2) THE ABOVE MENTIONED SOURCE IS A SING 3) THE ABOVE MENTIONED SOURCE IS NOT A SIGNATION MUST BE SIGNED BY A RESPONSI WILL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASED INQUIRY, THE STATEMENTS AND INFORMATION COCOMPLETE.	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT A SINGLE SOURCE WITH MULT TURE BLOCK BLE OFFICIAL APPLICATION ON INFORMATION AND B	HER SOURCE. IPLE SOURCES. ANOTHER SOURCE S WITHOUT A SIGNED ELIEF FORMED AF CATION ARE TRUE, Plant Manage	STATE OF STA	
SECTION THREE WHAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THIS 1) THE ABOVE MENTIONED SOURCE IS A SING 2) THE ABOVE MENTIONED SOURCE IS A SING 3) THE ABOVE MENTIONED SOURCE IS NOT A SIGNAT NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIE WILL BE RETURNED AS INCOMPLETE. 1 CERTIFY UNDER PENALTY OF LAW THAT, BASED INQUIRY, THE STATEMENTS AND INFORMATION CO COMPLETE. AUTHORIZED SIGNATURE:	SINGLE SOURCE S E FOLLOWING): GLE SOURCE WITH ANOT A SINGLE SOURCE WITH MULT TURE BLOCK BLE OFFICIAL APPLICATION ON INFORMATION AND B	TATUS HER SOURCE. IPLE SOURCES. ANOTHER SOURCE S WITHOUT A SIGNED SELIEF FORMED AF CATION ARE TRUE,	STATE OF STA	

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OPERATING AS A SINGLE SOURCE WITH THIS FACILITY

COMPLETE THE FOLLOWING TABLE FOR <u>ALL</u> SOURCES WHICH ARE CONSIDERED SINGLE SOURCES WITH THIS SOURCE. FOR THE REQUESTED SINGLE SOURCE DESCRIPTION COLUMN, DESCRIBE THE FUNCTION AND PRODUCT/SERVICE PROVIDED BY THE SINGLE SOURCE. FOR THE REQUESTED SINGLE SOURCE RELATIONSHIP COLUMN, DESCRIBE THE INTERACTION(S) WITH THE SINGLE SOURCE BY CHOOSING FROM AMONG THE FOLLOWING REASONS LISTED BELOW, AND BRIEFLY EXPLAIN IF NECESSARY. USE ADDITIONAL PAGES OR ATTACHMENTS AS NECESSARY.

#	SOURCE NAME	SOURCE ID#	ADDRESS	SINGLE SOURCE DESCRIPTION	SINGLE SOURCE RELATIONSHIP A
1					
2					
3					
4					
5					

A CHOOSE OF THE FOLLOWING REASONS AND BRIEFLY EXPLAIN IF NECESSARY: 1) SAME SIC CODE, 2) SHARED COMPANY STRUCTURE (E.G., SAME PARENT COMPANY, SISTER COMPANIES, ETC.); 3) CONTRACTUAL RELATIONSHIP(S); 4) PROCESS/PRODUCTION CO-DEPENDENCY; 5) CONTIGUOUS OR ADJACENT PROPERTIES; 6) INTEGRATED FACILITIES; 7) SUPPORT FACILITY RELATIONSHIP (E.G., CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER SOURCE), OR 8) OTHER (EXPLAIN).

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		SECTION FIVE NOT OPERATING AS	A SINGLE SOURCE WITH THIS FACILITY
1)	SOURC	E NAME: N/A	
2)	SOURC	E STREET ADDRESS:	
3)	CITY:		
4)	ZIP:		5) PRIMARY SIC NO.:
6)	PRIMA	RY STANDARD INDUSTRIAL CLASSIFICATION	I (SIC) CATEGORY:
7)	LATITL	IDE (DD:MM:SS):	8) LONGITUDE (DD:MM:SS):
	SII	NGLE SOURCE FACTORS: SINGLE I	NAJOR INDUSTRIAL GROUPING (SIC CODE)
9)	GROU!	PING (SIC CODE):	Y SOURCE BELONGING TO A <u>SINGLE MAJOR INDUSTRIAL</u>
		SINGLE SOURCE FAC	TORS: COMMON CONTROL
10)	THE A	BOVE MENTIONED SOURCE IS A STATIONAR	Y SOURCE UNDER <u>COMMON CONTROL</u> :
		YES NO IF "YES", CONTINU CONTROL RELATION	E TO QUESTION 11 AS THE SOURCE CONFIRMS A COMMON DNSHIP.
Α		SAME "PARENT" COMPANY BETWEEN THE	TWO (OR MORE) FACILITIES?
В		CONTRACTUAL RELATIONSHIPS BETWEEN	THE TWO (OR MORE) FACILITIES?
С		A FINANCIAL CO-DEPENDENCY BETWEEN	THE TWO (OR MORE) FACILITIES?
. D		JOINT OWNERSHIP BETWEEN THE TWO (O	R MORE) EACILITIES?
Е		VOTING INTEREST BETWEEN THE TWO (OF	R MORE) FACILITIES?
F		SHARED LIABILITY BETWEEN THE TWO (OF	R MORE) FACILITIES?
G		SHARED MANAGERIAL HIERARCHY BETWE	EN THE TWO (OR MORE) FACILITIES?
Н		CONTRACT-FOR-SERVICE RELATIONSHIP I	BETWEEN THE TWO (OR MORE) FACILITIES?
ı		PROCESS/PRODUCTION CO-DEPENDENCY	BETWEEN THE TWO (OR MORE) FACILITIES?
J		ADJACENT LOCATION BETWEEN THE TWO	(OR MORE) FACILITIES?
К		FINANCIAL INTEREST BETWEEN THE TWO	(OR MORE) FACILITIES?
		COMMON EMPLOYEES BETWEEN THE TWO	O (OR MORE) FACILITIES?
М		SHARED EQUIPMENT BETWEEN THE TWO	(OR MORE) FACILITIES?
N		LANDLORD-TENANT RELATIONSHIP BETW	EEN THE TWO (OR MORE) FACILITIES?
0		FUNDING RELATIONSHIP BETWEEN THE T	WO (OR MORE) FACILITIES?
Р		SHARED PRODUCTS OR BY-PRODUCTS BE	ETWEEN THE TWO (OR MORE) FACILITIES?
Q		SHARED TRANSPORTATION/PROCESS LIN	E BETWEEN THE TWO (OR MORE) FACILITIES?
R		COVERAGE, OR OTHER ADMINISTRATIVE	BENEFITS, HEALTH PLANS, RETIREMENT FUNDS, INSURANCE FUNCTIONS BETWEEN THE TWO (OR MORE) FACILITIES?
S		SHARED RESPONSIBILITY FOR COMPLIAN THE TWO (OR MORE) FACILITIES? OTHER (EXPLAIN):	CE WITH AIR QUALITY CONTROL REQUIRMENTS BETWEEN

		SINGLE SOURCE FACTORS: CONTIGUOUS OR ADJACENT PROPERTIES
11)		ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE LOCATED ON ONE OR MORE <u>CONTIGUOUS OR</u> ACENT PROPERTIES:
		YES NO IF "YES", CONTINUE TO QUESTION 12 AS THE SOURCE CONFIRMS A CONTIGUOUS OR ADJACENT RELATIONSHIP.
- Arterior	APPF	ROXIMATE STRAIGHT LINE DISTANCE TO THE SOURCE (MILES):
A		WAS THE LOCATION CHOSEN DUE TO ITS PROXIMITY TO EXISTING FACILITY?
В		ARE THE FACILITIES INTEGRATED SUCH THAT THEY SIGNIFICANTLY AFFECT THE DEGREE TO WHICH THEY MAY BE DEPENDANT ON EACH OTHER?
С		ARE MATERIALS ROUTINELY TRANSFERRED BETWEEN FACILITIES? WATERWAY OVER THE ROAD - PUBLIC ROAD OTHER (EXPLAIN):
·D		ARE EMPLOYEES SHUTTLED BETWEEN FACILITIES? LINE WORKERS ADMINISTRATIVE PERSONNEL ENVIRONMENTAL STAFF OTHER (EXPLAIN):
E		ARE PRODUCTION PROCESSES SPLIT BETWEEN FACILITIES AND/OR IS THERE A FUNCTIONAL INTER- RELATIONSHIP: COMPONENTS PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. RAW MATERIAL PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. A BYPRODUCT PRODUCED IN FACILITY #1 AND PROCESSED IN FACILITY #2. OTHER (EXPLAIN):
	├──	Company (market) 1111
F		OTHER (EXPLAIN):
F		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE
		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY:
		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE
		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
12)		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL
12) A		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
12) A B		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY
12) A B		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE HAS THE "TECHNICAL CAPABILITY" TO PROVIDE OUTPUT OR SERVICE TO OTHER CUSTOMERS. THE SOURCE WOULD NOT EXIST AT THAT SITE BUT FOR ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES).
12) A B C		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE HAS THE "TECHNICAL CAPABILITY" TO PROVIDE OUTPUT OR SERVICE TO OTHER CUSTOMERS. THE SOURCE WOULD NOT EXIST AT THAT SITE BUT FOR ANOTHER STATIONARY SOURCE (OR GROUP



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CAAPP APPLICATION INCORPORATION BY REFERENCE		ID NO.:			
		PERMIT NO.:			
		DATE:			
SE	CTION ONE	SOURCE INFORMATION			
1)	SOURCE NAME: Aleris Recycling, Inc.				
2)	SOURCE ID NO.: 031045ANE	3) DATE FORM PREPARED: 07 / 22 / 2013			
66	CTIONITIMO	INSTRUCTIONS IN BRIEF			
	CTION TWO				
1)	1) COMPLETE THIS FORM IF THE APPLICANT REQUESTS TO UTLIZE INFORMATION PROVIDED IN A PRIOR CAAPP APPLICATION. INCORPORATION BY REFERENCE MAY BE IN FULL OR IN PART OF THE APPLICATION. THE MATERIAL INCORPORATED MUST REMAIN CORRECT, CURRENT, AND COMPLETE.				
2)	COMPLETE SECTION FOUR IF THE APPLICANT REQUESTS TO INCORPORATE ONLY PORTIONS OF AN APPLICATION. IN EITHER CASE, IDENTIFY AND DESCRIBE THE ITEM TO BE INCORPORATED (E.G., STEAM PLANT, NOX CONTROL SYSTEM, TANKS 32-38, ETC.) AND THE PAGE NUMBERS IN THIS APPLICATION WHETATE OF ITTHE INCORPORATED PAGES WILL BE PLACED, AND FOR PARTIAL INCORPORATIONS THE PAGE NUMBERS FROM THE APPLICATION TO INCORPORATE FROM.				
3)	UTILIZE A PLACEHOLDER IN THE APPLICATION NO				
4)	BE SURE THE PORTIONS OF THE 200-CAAPP WHI REFLECT THE INFORMATION CONTAINED ON THI				
5)	5) THE ILLINOIS EPA ENCOURAGES APPROPRIATE USE OF INCORPORATION BY REFERENCE, WHICH GENERALLY INCLUDES THOUGHTFULLY INCORPORATING LARGE GROUPS OF INFORMATION (E.G., STEAM PLANT) TO FACILITATE THE PERMITTING PROCESS FOR THE PERMITTEE AND THE ILLINOIS EPA.				
6) REFER TO 287-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.					
SE	CTION THREE INCORPORATE	ALL MATERIAL FROM A PRIOR APPLICATION			
	THE APPLICANT REQUESTING TO INCORPORATE A				

SE	SECTION THREE INCORPORATE ALL MATERIAL FROM A PRIOR APPLICATION				
1	THE APPLICANT REQUESTING TO INCORPORATE AN ENTIRE APPLICATI F YES, COMPLETE THE FOLLOWING:	ON(S)?	ES ONO		
,	DESCRIPTION OF MATERIAL TO BE INCORPORATED	APPLICATION	PAGE NOs IN THIS APPLICATION		
	Construction Permit Application	NO.: 11050038	Entire		
-		DATE: 07/25/2012	Application		
,	Construction Permit Application	NO.: 11050038	Entire		
2		DATE: 03/15/2012	Application		
3	Construction Permit Application	NO.: 11050038	Entire		
3		DATE: 05/24/2011	Application		
	CAAPP Permit Application	NO.: Pending	Entire		
4		DATE: 2009	Application		

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

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7			NO.:		
			DATE:		
8			NO.:	4	
			DATE:		
SF	CTION FOUR INCORPOR	RATE A PRIOR P	ΛΡΤΙΛΙ	ADDLICA	TION
	THE APPLICANT REQUESTING TO INCORPORATE A P	ARTIAL APPLICATION	ON(S)?	AFFEIGA	
		,	011(0).		es 🛛 NO
11	FYES, COMPLETE THE FOLLOWING: DESCRIPTION OF ITEM TO BE INCORPORATED	APPLICATION		SE NOs TO DRPORATE	PAGE NOS IN THIS APPLICATION
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1		DATE:			·
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I CE INQI	RTIFY UNDER PENALTY OF LAW THAT, BASED ON IN JIRY, THE STATEMENTS AND INFORMATION CONTAI DRPORATED BY REFERENCE, ARE TRUE, ACCURATE	FORMATION AND B	FLIFE FO	RMED AFTE	R REASONABLE HOSE MATERIALS
	AUTHORIZED SIGNATURE:		-		
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SECTION ONE		SOURCE IN	FORMATI	ON			
1) SOURCE NAME: Aleris Recycling, Inc.							
2) SOURCE ID NO.: 031045ANE	3)	DATE FORM	PREPARED	o: 07 /	22 /	2013	
SECTION TWO	11	VSTRUCTIO	ONS IN BE	RIEF	ar e e e		· I
1) COMPLETE THIS FORM TO DETERMINE TH	E PERMIT F	EE ESTABLIS	HED BY TH	E CAAPP PE	ERMIT.		I
THE EMISSION LEVELS STATED IN SECTION FEE DETERMINATION, WILL BECOME PER						PERMIT	
3) THE ILLINOIS EPA DOES NOT REQUIRE PA CHECK OR MONEY ORDER PAYABLE TO T ADDRESS AT THE TOP OF THIS FORM. DO OPERATING PERMIT FEE: ID NO. XXXXXX	THE ILLINOIS	ENVIRONME CASH. ON T	NTAL PROT HE CHECK I	ECTION AG MEMO LINE,	ENCY. SEN PLEASE LI	ID RESIDE	OF ITTIMO :: SEIVE:
SECTION THREE		FEE RA	TIONALE	· ·		JU	L 2 4 2013
WHAT IS THE PERMIT STATUS AT THE	TIME OF THI	S REQUEST?	CHECK ON				
1) SIGNIFICANT MODIFICATION		L CAAPP PER	-		INITIAL/REN		ntal Protection Agen REAU OF AIR
2) COMPLETE THE BELOW TABLE FOR A LEWISSIONS, ENTER THE NUMBER(S) FOR	NON-INITIAL OR THE EMIS	CAAPP PERM	<u>MIT</u> . IF THE	RE IS AN INC	CREASE/DE	CREASE IN	
POLLUTANT	INCREASE	DECREASE	NO CHANGE		S CHANGE RA		
NITROGEN OXIDES (NOX)		\boxtimes		2			
PARTICULATE MATTER (PART)	\boxtimes			3			00000000000000000000000000000000000000
SULFUR DIOXIDE (SO ₂)	X			2			
VOLATILE ORGANIC MATERIAL (VOM)	\boxtimes			2			
OTHER (SPECIFY) HCI	\boxtimes			2			
OTHER (SPECIFY)							Action Assessment
CHANGE RATIONALE: 1 BUSINESS DECISION (E.G., OPE 2 REMOVAL OR ADDITION OF PRO 3 INCLUSION OR REMOVAL OF A 4 CHEMICAL REFORMULATION (E 5 FUEL SWITCHING (E.G., COAL T 6 METHODOLOGY CHANGE (E.G., 7 CHANGES IN METHOD USED FO 8 OTHER (DESCRIBE):	DCESSES AT CONTROL D .G., REFORM O NATURAL SWITCHING OR CALCULA	THE SOURC EVICE. MULATING A (GAS, ETC.). A PETROLE! TIONS (E.G.,!	E. COATING FR JM SOLVEN EMISSION F	OM HIGH VOTO AQUEO	OUS SOLUT		A CONTRACT OF THE PROPERTY OF

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/38.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

FOR APPLICANT'S USE

052034-292-CAAPP

SECTION FOUR			FEE DATA		
1) WILL THE SOURCE PA			•		YES NO
2) EMISSION UNIT A	NITROGEN OXIDES (NOX) (TONSA'R)	PARTICULATE MATTER (PART) (TONS/YR)	SULFUR DIOXIDE (SO ₂) (TONS/YR)	VOLATILE ORGANIC MATERIAL (VOM)	OTHER B SPECIFY HCI (TONS/YR)
RF1 & RF3	12.4	33.43	0.09	(Tons/yr) 22.76	8.00
SCH1		27.83			
FH1	2.50	0.44	0.04	0.50	
FH2	2.50	0.44	0.04	0.50	
BH5		18.77			
BH6		0.43			***
3) SUBTOTAL	17.40	81.34	0.17	23.76	8.00
4) FUGITIVE	0.00	6.30	0.00	0.00	0.00
5) TOTAL	17.40	87.64	0.17	23.76	
6) GRAND TOTAL ACRO	SS POLLUTANTS (T	ONS/YR):		The second secon	128.97
7) CALCULATED PERMIT MULTIPLY GRAND TO					\$2,772.86
MULTIPLY GRAND TOTAL BY \$18.00 AND ENTER, OTHERWISE ENTER \$1,800.00: MINIMUM PERMIT FEE IS \$1,800.00 PER YEAR. MAXIMUM PERMIT FEE IS \$250,000.00 PER YEAR. IF THE CALCULATED PERMIT FEE IN ITEM 7 ABOVE IS BETWEEN THESE TWO FEE AMOUNTS THEN ENTER HERE, OTHERWISE ENTER THE MINIMUM OR MAXIMUM PERMIT FEE, WHICHEVER IS APPLICABLE. THIS IS THE ACTUAL ANNUAL PERMIT FEE:				\$2,772.86	

EMISSION UNIT - PROVIDE THE NAME AND FLOW DIAGRAM DESIGNATION OF THE EMISSION UNIT AS IT APPEARS ON THE DATA AND INFORMATION FORM.

OTHER - ANY HAZARDOUS AIR POLLUTANT (HAP) NOT INCLUDED ELSEWHERE, E.G., CHLORINE, HCI, ETC.

^{*} Fee is based on \$21.50 per ton of emissions.



FOR AP	PLICAN	r's USE
Revision #:		
Date:	_ /	/
Page	of	
Source Designation	gnation: cycling	, inc.

	FOR AGENCY USE ONLY	
COMPLIANCE DI ANI	ID NUMBER:	
COMPLIANCE PLAN/ SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT	PERMIT #:	
I ON OPALL ENGINEE	DATE:	
COMPLIANCE FOR ALL EMISSION UNITS AT THE CAAPP SOUF EMISSION UNIT. THIS FORM REQUIRES THAT THE COMPLIAN 294-CAAPP, "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE	THAT THE APPLICANT SUBMIT A COMPLIANCE PLAN/SCHEDULE OF RCE, REGARDLESS OF THE COMPLIANCE STATUS OF EACH INDIVIDUAL ICE STATUS BE STATED FOR EACH EMISSION UNIT. APPLICATION FORM E - ADDENDUM FOR NON COMPLYING EMISSION UNITS," MUST BE WITH ALL APPLICABLE REQUIREMENTS AT THE TIME OF SUBMITTAL.	
SOURC	E INFORMATION	
1) SOURCE NAME: Aleris Recycling, Inc.		
2) DATE FORM PREPARED: 07/22/2013	3) SOURCE ID NO. (IF KNOWN): 031045ANE	The state of the s
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	RECA	i iti e —
SOURCE COM	PLIANCE INFORMATION STATE OF	小鹰的
4) DESCRIBE THE COMPLIANCE STATUS OF THE SOU	URCE WITH ALL APPLICABLE REQUIREMENTS (E.G., "SOURCE"	
IS IN COMPLIANCE WITH ALL APPLICABLE REQUIR Source is in compliance with all applicable requ	A A	1013
	Environmental Protect BUREAU OF	ion Agency UR
EVE IN COMPLIANCE WILL THE SOURCE CONTINUE	TO COMPLY WITH ALL APPLICABLE REQUIREMENTS?	
5) IF IN COMPENANCE, WILL THE SOURCE CONTINUE	YES ONO	
IF NO, EXPLAIN:		
		manada de
		. Adding
6) WILL THE SOURCE MEET, ON A TIMELY BASIS, AP DURING THE PERMIT TERM?	PLICABLE REQUIREMENTS WHICH BECOME EFFECTIVE YES NO	- AAAConcommon manana manana AAAConcommon manana manana AAAConcommon manana manana AAACONCOMMON MANANA MANA
IF NO, EXPLAIN		или положения
		Adoption and desired
		Loggest population

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICATION DAGE 04 052034-293-CAAPP

EMISSION UNITS COMPLIANCE INFORMATION				
7) EMISSION UNITS IN COMPLIANCE THE FOLLOWING EMISSION UNITS ARE CONTINUE TO COMPLY WITH SUCH RE NEEDED, ATTACH AND LABEL AS EXHI	IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS AND WILL EQUIREMENTS DURING THE PERMIT TERM. IF ADDITIONAL SPACE IS BIT 293-1:			
DESIGNATION ID NUMBER	EMISSION UNIT			
RF1	Rotary Furnace No. 1			
RF3	Rotary Furnace No. 3			
BH1	Bag House No. 1			
FH1	Furnace Holder No. 1			
FH2	Furnace Holder No. 2			
SCH1	Salt Cake Handling			
BH2	Bag House No. 2			
вн3	Bag House No. 3			
BH4	Bag House No. 4			
BH5	Bag House No. 5			
BH6	Bag House No. 6			

EMISSION UNITS COMPLIANCE INFORMATION (cntd)				
DESIGNATION ID NUMBER	EMISSION UNIT			
8) EMISSION UNITS SUBJECT TO FUTU	DE COMPLIANCE DATES			
THE FOLLOWING EMISSION UNITS, REQUIREMENTS, WILL ACHIEVE ON	WHICH ARE CURRENTLY IN COMPLIANCE WITH ALL APPLICABLE A TIMELY BASIS, AND MAINTAIN COMPLIANCE WITH, FUTURE COMPLIANCE SILE DURING THE PERMIT TERM. IF ADDITIONAL SPACE IS NEEDED, ATTACH			
	FUTURE COMPLIANCE DATE EMISSION UNIT (MONTH/DAY/YEAR)			
DESIGNATION ID NUMBER	EMISSION UNIT (MONTH/DAY/YEAR)			

9a) EMISSION UNITS NOT IN COMPLIANCE - COMPLIANCE TO BE ACHIEVED PRIOR TO PERMIT ISSUANCE THE FOLLOWING EMISSION UNITS ARE NOT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS AT THE TIME OF PERMIT APPLICATION. HOWEVER, THESE EMISSION UNITS WILL ACHIEVE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS PRIOR TO PERMIT ISSUANCE AND WILL CONTINUE TO COMPLY WITH SUCH REQUIREMENTS DURING THE PERMIT TERM. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 293-3:				
DESIGNATION ID NUMBER	EMISSION UNIT	FUTURE COMPLIANCE DATE (MONTH/DAY/YEAR)		
N/A				
	DESCRIPTION OF THE MEANS BY WHICH COMPLIAN ITS LISTED IN 9a) ABOVE. IF ADDITIONAL SPACE IS I			
N/A				
		·		
40) EMICCIONI ENITO NOTEN COMPLI	NOS COMPLIANCE WILL NOT BE ACHIEVED DRIOD	TO DEDMIT ISSUANCE		
10) EMISSION UNITS NOT IN COMPLIANCE - COMPLIANCE WILL NOT BE ACHIEVED PRIOR TO PERMIT ISSUANCE. THE FOLLOWING EMISSION UNITS WILL NOT BE IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS AT THE TIME OF PERMIT ISSUANCE. A FORM 294-CAAPP, "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE - ADDENDUM FOR NON COMPLYING EMISSION UNITS," MUST BE SUBMITTED FOR EMISSION UNITS NOT IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS AT THE TIME OF PERMIT ISSUANCE. A FORM 294-CAAPP IS SUBMITTED FOR THE FOLLOWING EMISSION UNITS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 293-5:				
		DATE COMPLIANCE SCHEDULED TO BE		
DESIGNATION ID NUMBER	EMISSION UNIT	ACHIEVED (MONTH/DAY/YEAR)		
N/A	·			



FOR APPLICANT'S USE
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Source Designation:

SPRINGFIELD, ILLINOIS 6279	34-9506	Source Designation:	
		AGENCY USE ONLY	1
	ID NUMBER:	AGENCY USE ONLY	
COMPLIANCE CERTIFICATION	PERMIT #:		
	DATE:		
AN APPLICATION FOR A CAAPP PERMIT MUST CONTAIN A CERTIFI FORM MUST BE SUBMITTED WITH THE ORIGINAL CAAPP PERMIT A	CATION OF COMPLIANCE S APPLICATION AND UPDATE	DIGNED BY A RESPONSIBLE OFFICIAL. THIS DON AN ANNUAL BASIS.	
SOURCE IN	IFORMATION]
1) SOURCE NAME: Aleris Recycling, Inc.			
2) DATE FORM PREPARED: 07/22/2013 3)	SOURCE ID NO. (IF KNOWN): (031045ANE	Addings success
4) CAAPP PERMIT NUMBER (IF KNOWN): Unk	nown		
5) IS THIS THE FIRST SUBMITTAL OF THIS FORM?		YES NO	
IF NO, WHAT IS THE REPORTING PERIOD 01 COVERED BY THIS FORM?	/	Current	Security December 1
SOURCE COMPLIA	ANCE INFORMATIO)N	
6) DOES THE SIGNATORY OF THIS FORM HEREBY CERTI	FY THAT THE SOURCE	IS IN COMPLIANCE WITH ALL	
APPLICABLE REQUIREMENTS?		X YES NO	Mark Street and Street
IF NO, EXPLAIN:			
			·
		Postern	
7) PROVIDE THE SCHEDULE FOR SUBMISSION OF COMP ONCE ANNUALLY IN JANUARY (NOTE THAT SUCH CER THAN ANNUALLY):	PLIANCE CERTIFICATION RTIFICATION MUST BE S	SUBMITTED NO BOST TOTAL	to Wis
Once annually by May 1st.		JUL 2 4 2013	
		Environmental Protection A	
NOTICATE THE COMPLIANCE STATUS OF THE SOURCE COMPLIANCE CERTIFICATION REQUIREMENTS OF THE REQUIRED AND IN COMPLIANCE WITH COMPLIANCE	E CLEAN AIR ACT, E.G.	, NO ENHANCED MONITORING	C. P. C.
In compliance with 40 CFR 63 Subpart RRR m	onitoring requiremen	nts.	abovente special services

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE 052034-296-CAAPP

EMISSION UNITS COMPLIANCE INFORMATION

9a) THE FOLLOWING EMISSION UNITS ARE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS SUCH AS EMISSION STANDARDS, EMISSION CONTROL REQUIREMENTS, EMISSION TESTING, COURT REQUIREMENTS, WORK PRACTICES, OR ENHANCED MONITORING, BASED ON THE COMPLIANCE METHODS SPECIFIED BELOW (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-1):

EMISSION UNIT

APPLICABLE RULE

COMPLIANCE DETERMINATION METHOD

		METHOD
Rotary Furnace No. 1 & 3	40 CFR 63 Subpart RRR	As specified in OMM
Rotary Furnace No. 1 & 3	40 CFR 63.1511 & 63.1512	Srce. Test of HCl, D/F & PM
Rotary Furnace No. 1 & 3	35 IAC 218.301	Srce. Test of VOM
Rotary Furnace No. 1 & 3	35 IAC 212.301	Daily visual inspection
Rotary Furnace No. 1 & 3	35 IAC 212.321	Srce. Test of PM
Rotary Furnace No. 1 & 3	35 IAC 218 Subpart TTT	Rolling 12 mo. calculation
Rotary Furnace No. 1 & 3	Permit 07110033, Cond. 7a	Rolling 12 mo. calculation
Rotary Furnace No. 1 & 3	Permit 07110033, Cond. 7b	Rolling 12 mo. calculation
Furnace Holder No. 1 & 2	35 IAC 212.301	Daily visual inspection
Furnace Holder No. 1 & 2	35 IAC 212.123(a) & (b)	Method 9
Furnace Holder No. 1 & 2	35 IAC 218.301	AP-42 & burner rating
Furnace Holder No. 1 & 2	35 IAC 212.321	AP-42 & burner rating
Furnace Holder No. 1 & 2	Permit 06080013, Cond. 7	Rolling 12 mo. calculation
Salt Cake Handling	35 IAC 212.301	Daily visual inspection
Salt Cake Handling	Permit 06080013, Cond. 7	Rolling 12 mo. calculation
Bag House No. 1	35 IAC 212.123(a) & (b)	Method 9
Bag House No. 1	40 CFR 63 Subpart RRR	As specified in OMM
Bag House No. 1	40 CFR 63.1511 & 63.1512	Srce. Test of HCl, D/F & PM
Bag House No. 1	35 IAC 218.301	Srce. Test of VOM
Bag House No. 1	35 IAC 212.321	Srce. Test of PM
Bag House No. 2,3,4, & 5	35 IAC 212.123(a) & (b)	Method 9
Roadways	35 IAC 212.301	Daily visual inspection
		- any rioda mapadani

EMISSION UNIT	REASON(S) FOR NONCOMPLIANCE
N/A	
· · · · · · · · · · · · · · · · · · ·	
<u>,</u>	
	COMPLIANCE INFORMATION
SUMMARY OF METHODS USED	TO DETERMINE COMPLIANCE:
NEEDED, ATTACH AND LABEL	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.):
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6 cur.	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions
NEEDED, ATTACH AND LABEL tary Furnace No. 1 & 3 and E g House No. 1, 2, 3, 4, 5, & 6	ETHODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS . AS EXHIBIT 296-3.): Bag House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 and Furnace Holder No. 1 & 2: Method 9 when visible emissions

10b) DESCRIPTION OF MONITORING PROCEDURES USED TO DEMONSTRATE COMPLIANCE, INCLUDING ANY ENHANCED MONITORING REQUIREMENTS OF THE ACT (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-4.):

Rotary Furnace No. 1 & 3: See OMM and daily visual emissions.

Furnace Holder No. 1 & 2: Daily visual emissions and opacity if VE occurs.

Salt Cake Handling: Daily visual emissions and salt cake disposal weight for each shipment.

Baghouse No. 1: See OMM and opacity if VE occurs.

Baghouse No. 2, 3, 4, 5, & 6: Opacity if VE occurs.

Roadways: Daily visual emissions.

c) DESCRIPTION OF RECORDKEEPING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-5.):

Rotary Furnace No. 1 & 3: See OMM. Heat sheet with natural gas usage completed each shift and daily log of visual emissions. Calculation of PM, VOM, HCl, NOx, and CO emissions on a 12 month rolling average maintained on spreadsheet.

Furnace Holder No. 1 & 2: Heat sheet with natural gas usage completed each day, daily log of visual emissions and log of opacity if VE occurs. Calculation of PM emissions on a 12 month rolling average maintained on spreadsheet.

Salt Cake Handling: Shipping papers with salt cake disposal weights for each off-site shipment and daily log of visual emissions. Calculation of PM emissions on a 12 month rolling average maintained on spreadsheet.

Baghouse No. 1: See OMM and log of opacity if VE occurs.

Baghouse No. 2, 3, 4, 5, & 6: Log of opacity if VE occurs.

Roadways: Daily log of visual emissions.

10d) DESCRIPTION OF REPORTING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-6.):
Startup, Shutdown and Malfunction NESHAP report for Rotray Furnace No. 1 & 3 and Bag House No.
1.
Semi-annual NESHAP Excess Emissions Report for Rotary Furnace No. 1 & 3 and Bag House No. 1.
Annual NESHAP Compliance Certification for Rotary Furnace No. 1 & 3 and Bag House No. 1.
·
·
SIGNATURE BLOCK
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION
WILL BE RETURNED AS INCOMPLETE. 11) I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE
INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE.
AUTHORIZED SIGNATURE:
BY: A Plant Managar
Plant Manager
AUTHORIZED SIGNATURE TITLE OF SIGNATORY
Larry Lipa
TYPED OR PRINTED NAME OF SIGNATORY DATE



FOR APPLICANT'S USE			
Revision #:			
Date:	_ / _		1
Page		of .	
Source Desi	gnati	on:	
		_	

LISTING	OF	INSIGNIFICANT				
ACTIVITIES						

FOR AGENCY USE ONLY	
ID NUMBER:	
PERMIT#:	
DATE:	

THIS FORM MUST BE COMPLETED FOR ALL ACTIVITIES THAT ARE "INSIGNIFICANT" ACCORDING TO 35 ILL. ADM. CODE, SECTION 201.210 AND 201.211 FOR WHICH DETAILED DATA AND INFORMATION, AS REQUESTED IN OTHER FORMS, IS NOT PROVIDED.

SOURCE INFORMATION				
1) SOURCE NAME:				
Aleris Recycling, Inc.				
2) DATE FORM PREPARED: 07/22/13	3) SOURCE ID NO. (IF KNOWN): 031045ANE			

INSIG	NIFIC.	ANT A	ICTIV	ITIES

4) ARE ANY ONE OR ALL OF THE FOLLOWING ACTIVITIES, AS IDENTIFIED IN 35 ILL. ADM. CODE 201.210(b), PRESENT AT THE SOURCE? CHECK THE APPROPRIATE BOX.

_		
	YES	L _{NO}

ACTIVITIES IN 35 ILL, ADM. CODE 201.210(b):

- AIR CONDITIONING OR VENTILATING EQUIPMENT NOT DESIGNED TO REMOVE AIR CONTAMINANTS GENERATED BY OR RELEASED FROM ASSOCIATED EQUIPMENT;
- ii) PHOTOGRAPHIC PROCESS EQUIPMENT BY WHICH AN IMAGE IS REPRODUCED UPON MATERIAL SENSITIZED TO RADIANT ENERGY;
- iii) EQUIPMENT USED FOR HYDRAULIC OR HYDROSTATIC TESTING;
- iv) GENERAL VEHICLE MAINTENANCE AND SERVICING ACTIVITIES AT THE SOURCE, OTHER THAN GASOLINE FUEL HANDLING;
- v) CAFETERIAS, KITCHENS AND OTHER FACILITIES USED FOR PREPARING FOOD OR BEVERAGES PRIMARILY FOR CONSUMPTION AT THE SOURCE;
- vi) EQUIPMENT USING A WATER, WATER AND SOAP OR DETERGENT, OR A SUSPENSION OF ABRASIVES IN WATER FOR PURPOSES OF CLEANING OR FINISHING PROVIDED NO ORGANIC SOLVENT HAS BEEN ADDED TO THE WATER;
- vii) ADMINISTRATIVE ACTIVITIES INCLUDING, BUT NOT LIMITED TO, PAPER SHREDDING, COPYING, PHOTOGRAPHIC ACTIVITIES, AND BLUEPRINTING MACHINES. THIS DOES NOT INCLUDE INCINERATORS;
- viii) LAUNDRY DRYERS, EXTRACTORS, AND TUMBLERS PROCESSING CLOTHING, BEDDING, AND OTHER FABRIC ITEMS USED AT THE SOURCE THAT HAVE BEEN CLEANED WITH WATER SOLUTIONS OF BLEACH OR DETERGENTS PROVIDED THAT ANY ORGANIC SOLVENT PRESENT IN SUCH ITEMS BEFORE PROCESSING THAT IS RETAINED FROM CLEAN-UP OPERATIONS SHALL BE ADDRESSED AS PART OF THE VOM EMISSIONS FROM USE OF CLEANING MATERIALS;

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE 52034-297-CAAPP

INSIGNIFICANT ACTIVITIES (continued)

- ix) HOUSEKEEPING ACTIVITIES FOR CLEANING PURPOSES, INCLUDING COLLECTING SPILLED AND ACCUMULATED MATERIALS AT THE SOURCE, INCLUDING OPERATION OF FIXED VACUUM CLEANING SYSTEMS SPECIFICALLY FOR SUCH PURPOSES, BUT NOT INCLUDING USE OF CLEANING MATERIALS THAT CONTAIN ORGANIC SOLVENT;
- x) REFRIGERATION SYSTEMS, INCLUDING STORAGE TANKS USED IN REFRIGERATION SYSTEMS, BUT EXCLUDING ANY COMBUSTION EQUIPMENT ASSOCIATED WITH SUCH SYSTEMS;
- xi) BENCH SCALE LABORATORY EQUIPMENT AND LABORATORY EQUIPMENT USED EXCLUSIVELY FOR CHEMICAL AND PHYSICAL ANALYSIS, INCLUDING ASSOCIATED LABORATORY FUME HOODS, VACUUM PRODUCING DEVICES AND CONTROL DEVICES INSTALLED PRIMARILY TO ADDRESS POTENTIAL ACCIDENTAL RELEASES;
- xii) REST ROOM FACILITIES AND ASSOCIATED CLEANUP OPERATIONS, AND STACKS OR VENTS USED TO PREVENT THE ESCAPE OF SEWER GASES THROUGH PLUMBING TRAPS;
- XIII) ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION, ON-SITE REPAIR, MAINTENANCE OR DISMANTLEMENT OF BUILDINGS, UTILITY LINES, PIPELINES, WELLS, EXCAVATIONS, EARTHWORKS AND OTHER STRUCTURES THAT DO NOT CONSTITUTE EMISSION UNITS;
- xiv) STORAGE TANKS OF ORGANIC LIQUIDS WITH A CAPACITY OF LESS THAN 500 GALLONS, PROVIDED THE TANK IS NOT USED FOR STORAGE OF ANY MATERIAL LISTED AS A HAZARDOUS AIR POLLUTANT PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;
- xv) PIPING AND STORAGE SYSTEMS FOR NATURAL GAS, PROPANE, AND LIQUEFIED PETROLEUM GAS;
- xvi) WATER TREATMENT OR STORAGE SYSTEMS AS FOLLOWS: (A) SYSTEMS FOR POTABLE WATER OR BOILER FEEDWATER, (B) SYSTEMS, INCLUDING COOLING TOWERS, FOR PROCESS WATER PROVIDED THAT SUCH WATER HAS NOT BEEN IN DIRECT OR INDIRECT CONTACT WITH PROCESS STREAMS THAT CONTAIN VOLATILE ORGANIC MATERIAL OR MATERIALS LISTED AS HAZARDOUS AIR POLLUTANTS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;
- XVII) LAWN CARE, LANDSCAPE MAINTENANCE, AND GROUNDSKEEPING ACTIVITIES;
- XVIII) CONTAINERS, RESERVOIRS, OR TANKS USED EXCLUSIVELY IN DIPPING OPERATIONS TO COAT OBJECTS WITH OILS, WAXES, OR GREASES, PROVIDED NO ORGANIC SOLVENT HAS BEEN MIXED WITH SUCH MATERIALS;
- xix) COLD CLEANING DEGREASERS THAT ARE NOT IN-LINE CLEANING MACHINES, WHERE THE VAPOR PRESSURE OF THE SOLVENTS USED NEVER EXCEED 2kPa MEASURED AT 38C OR 0.7kPa AT 20C;
- XX) MANUALLY OPERATED EQUIPMENT USED FOR BUFFING, POLISHING, CARVING, CUTTING, DRILLING, MACHINING, ROUTING, SANDING, SAWING, SCARFING, SURFACE GRINDING, OR TURNING;
- xxi) USE OF CONSUMER PRODUCTS, INCLUDING HAZARDOUS SUBSTANCES AS THAT TERM IS DEFINED IN THE FEDERAL HAZARDOUS SUBSTANCES ACT, WHERE THE PRODUCT IS USED AT A SOURCE IN THE SAME MANNER AS NORMAL CONSUMER USE:
- xxii) ACTIVITIES DIRECTLY USED IN THE DIAGNOSIS AND TREATMENT OF DISEASE, INJURY OR OTHER MEDICAL CONDITION;
- xxiii) FIREFIGHTING ACTIVITIES AND TRAINING IN PREPARATION FOR FIGHTING FIRES CONDUCTED AT THE SOURCE:
- xxiv) INTERNAL COMBUSTION ENGINE OR BOILER (INCLUDING THE FUEL SYSTEM) OF MOTOR VEHICLES, LOCOMOTIVES, AIR CRAFT, WATERCRAFT, LIFTTRUCKS, AND OTHER VEHICLES POWERED BY NONROAD ENGINES;
- xxv) ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION, REPAIR OR MAINTENANCE OF ROADS OR OTHER PAVED OR OPEN AREAS, INCLUDING OPERATION OF STREET SWEEPERS, VACUUM TRUCKS, SPRAY TRUCKS, AND OTHER VEHICLES RELATED TO THE CONTROL OF FUGITIVE EMISSIONS OF SUCH ROADS OR OTHER AREAS;
- xxvi) STORAGE AND HANDLING OF DRUMS OR OTHER TRANSPORTABLE CONTAINERS WHERE THE CONTAINERS ARE SEALED DURING STORAGE AND HANDLING;

	INCOMPROME ACTIVITIES (
	INSIGNIFICANT ACTIVITIES (continued) xxvii) INDIVIDUAL POINTS OF EMISSION OR ACTIVITIES AS FOLLOWS: (A) INDIVIDUAL FLANGES, VALVES, PUMP					
XX	SEALS, POINTS OF EMISSION OR ACTIVITIES AS FOLLOWS: (A) INDIVIDUAL FLAN SEALS, PRESSURE RELIEF VALVES AND OTHER INDIVIDUAL COMPONENTS THAT HAY LEAKS, (B) INDIVIDUAL SAMPLING POINTS, ANALYZERS, AND PROCESS INSTRUMENT OPERATION MAY RESULT IN EMISSIONS, (C) INDIVIDUAL FEATURES OF AN EMISSION BURNER AND SOOTBLOWERS IN A BOILER OR EACH USE OF CLEANING MATERIALS (PRINTING LINE, (D) INDIVIDUAL EQUIPMENT THAT IS TRANSPORTABLE OR ACTIVITIES ESTABLISHED FOR TESTING UNITS PRIOR TO SALE OR DISTRIBUTION OR FOR PURPO (E) INDIVIDUAL EQUIPMENT OR ACTIVITIES WITHIN A PILOT PLANT FACILITY THAT IS ITRAINING;	VE THE FATION UNIT ON A CO S WITH OSES	E POTENT N, WHOSE SUCH AS COATING (HIN A FACI OF RESE/	IAL FOR EACH OR ILITY ARCH, AND		
ΧX	iii) ACTIVITIES AT A SOURCE ASSOCIATED WITH THE MODIFICATION ONLY OR CONSTRUENCE, AN EMISSION UNIT OR OTHER EQUIPMENT AT THE SOURCE;	JCTIO	N ONLY C	F A		
	ACTIVITIES AT A SOURCE ASSOCIATED WITH THE MAINTENANCE, REPAIR, OR DISMA EMISSION UNIT OR OTHER EQUIPMENT INSTALLED AT THE SOURCE, NOT INCLUDING UNIT OR EQUIPMENT, INCLUDING PREPARATION FOR MAINTENANCE, REPAIR OR DIS PREPARATION FOR SUBSEQUENT STARTUP, INCLUDING PREPARATION OF A SHUTDING REPLACEMENT OF INSULATION, WELDING AND CUTTING, AND STEAM PURGING OF A STARTUP.	THE S MANT VWN \ VESS	SHUTDOW LEMENT, A VESSEL FO SEL PRIOR	/N OF THE AND OR ENTRY, TO		
ا 1 ~	ARE ANY EMISSION UNITS AT THE SOURCE CONSIDERED INSIGNIFICANT ACTIVITIES BE JNDER ONE OF THE ACTIVITIES OR EMISSION LEVELS LISTED IN 35 ILL. ADM. CODE 201 F YES, IDENTIFY THE EMISSION UNITS IN THE "LIST OF INSIGNIFICANT ACTIVITIES PUR ITHROUGH (18)" AND PROVIDE THE REQUESTED INFORMATION. IF ADDITIONAL SPACE I ABEL AS EXHIBIT 297-1.	.210(a SUAN)(1) THRO	UGH (18)? ?10(a)(1)		
AC	TIVITIES AND EMISSION LEVELS IN 35 ILL. ADM. CODE 201.210(a)					
i)	ANY EMISSION UNIT DETERMINED TO BE AN INSIGNIFICANT ACTIVITY BY THE AGENCY PURSUANT TO 35 ILL. ADM. CODE 201.211 (SEE ITEM #6);		YES	⊠ ио		
ii)	EMISSION UNITS WITH EMISSIONS THAT NEVER EXCEED 0.1 LBS/HR OF ANY REGULATED AIR POLLUTANT IN THE ABSENCE OF AIR POLLUTION CONTROL EQUIPMENT AND THAT DO NOT EMIT ANY AIR POLLUTANT LISTED AS HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;		YES	NO ⊗		
iií)	EMISSION UNITS WITH EMISSIONS THAT NEVER EXCEED 0.44 TONS/YR OF ANY REGULATED AIR POLLUTANT IN THE ABSENCE OF AIR POLLUTION CONTROL EQUIPMENT AND THAT DO NOT EMIT ANY AIR POLLUTANT LISTED AS HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;	\otimes	YES	ОиО		
iv)	DIRECT COMBUSTION UNITS DESIGNED AND USED FOR COMFORT HEATING PURPOSES AND FUEL COMBUSTION EMISSION UNITS AS FOLLOWS: (A) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 2.5 MMBTU/HR THAT FIRE ONLY NATURAL GAS, PROPANE OR LIQUEFIED PETROLEUM GAS, (B) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 1.0 MMBTU/HR THAT FIRE ONLY OIL OR OIL IN COMBINATION WITH NATURAL GAS, PROPANE OR LIQUEFIED PETROLEUM GAS, AND (C) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 200,000 BTU/HR WHICH NEVER BURN REFUSE, OR TREATED OR CHEMICALLY CONTAMINATED WOOD;	\boxtimes	YES	O NO		
v)	EXTRUDERS USED FOR THE EXTRUSION OF METALS, MINERALS, PLASTICS, RUBBER, OR WOOD, EXCLUDING EXTRUDERS USED IN THE MANUFACTURE OF POLYMERS, PROVIDED THAT VOLATILE ORGANIC MATERIALS OR CLASS I OR II SUBSTANCES SUBJECT TO THE REQUIREMENTS OF TITLE VI OF THE CLEAN AIR ACT ARE NOT USED AS FOAMING AGENTS OR RELEASE AGENTS OR WERE NOT USED AS FOAMING AGENTS IN THE CASE OF EXTRUDERS PROCESSING SCRAP MATERIAL;		YES	⊠ NO		
vi)	FURNACES USED FOR MELTING METALS OTHER THAN BERYLLIUM WITH A BRIM FULL CAPACITY OF LESS THAN 450 CUBIC INCHES BY VOLUME;	\boxtimes	YES	O NO		
∕ii)	EQUIPMENT USED FOR THE MELTING OR APPLICATION OF LESS THAN 50,000		YES	Ø NO		

	INSIGNIFICANT ACTIVITIES (continued)	E-MINE.	
vlii)	EQUIPMENT USED FOR FILLING DRUMS, PAILS OR OTHER PACKAGING CONTAINERS, EXCLUDING AEROSOL CANS, WITH SOAPS, DETERGENTS, SURFACTANTS, LUBRICATING OILS, WAXES, VEGETABLE OILS, GREASES, ANIMAL FATS, GLYCERIN, SWEETENERS, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS;	YES	⊠ №
ix)	EQUIPMENT USED FOR THE MIXING AND BLENDING OF MATERIALS AT AMBIENT TEMPERATURE TO MAKE WATER BASED ADHESIVES PROVIDED EACH MATERIAL CONTAINS LESS THAN 5% ORGANIC SOLVENT BY WEIGHT;	YES	Ои 🛇
x)	STORAGE TANKS OF ORGANIC LIQUIDS WITH A CAPACITY OF LESS THAN 10,000 GALLONS AND AN ANNUAL THROUGHPUT OF LESS THAN 100,000 GALLONS PROVIDED THE TANK IS NOT USED FOR THE STORAGE OF GASOLINE OR ANY LISTED HAZARDOUS AIR POLLUTANT PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;	YES	Оио
xi)	STORAGE TANKS OF VIRGIN OR REREFINED DISTILLATE OIL, HYDROCARBON CONDENSATE FROM NATURAL GAS PIPELINE OR STORAGE SYSTEMS, LUBRICATING OIL, OR RESIDUAL FUEL OILS;	X YES	O NO
xii)	DIE CASTING MACHINES WHERE A METAL OR PLASTIC IS FORMED UNDER PRESSURE IN A DIE;	YES	Ø NO
xiii)	COATING OPERATIONS (EXCLUDING POWDER, ARCHITECTURAL AND INDUSTRIAL MAINTENANCE COATING) WITH AGGREGATE VOM USAGE THAT NEVER EXCEEDS 15 LBS/DAY FROM ALL COATING LINES AT THE SOURCE, INCLUDING VOM FROM COATING, DILUTENTS, AND CLEANING MATERIALS;	YES	⊠ NO
xiv)	PRINTING OPERATIONS WITH AGGREGATE ORGANIC SOLVENT USAGE THAT NEVER EXCEEDS 750 GALLONS PER YEAR FROM ALL PRINTING LINES AT THE SOURCE, INCLUDING ORGANIC SOLVENT FROM INKS, DILUTENTS, FOUNTAIN SOLUTIONS, AND CLEANING MATERIALS;	YES	⊗ мо
xv)	GAS TURBINES AND STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES OF LESS THAN 112 KW (150 HORSEPOWER) POWER OUTPUT;	X YES	O NO
xvi)	GAS TURBINES AND STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES OF BETWEEN 112 KW AND 1,1118 KW (150 AND 1,500 HORSEPOWER) POWER OUTPUT THAT ARE EMERGENCY OR STANDBY UNITS;	YES	⊗ ио
XVII	STORAGE TANKS OF ANY SIZE CONTAINING EXCLUSIVELY SOAPS, DETERGENTS, SURFACTANTS, GLYCERIN, WAXES, VEGETABLE OILS, GREASES, ANIMAL FATS, SWEETENERS, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS PROVIDED AN ORGANIC SOLVENT HAS NOT BEEN MIXED WITH SUCH MATERIALS;		□ NO
xvii	I) LOADING AND UNLOADING SYSTEMS FOR RAILCARS, TANK TRUCKS, OR WATERCRAFT THAT HANDLE ONLY THE FOLLOWING LIQUID MATERIALS PROVIDED AN ORGANIC SOLVENT HAS NOT BEEN MIXED WITH SUCH MATERIALS: SOAPS, DETERGENTS, SURFACTANTS, LUBRICATING OILS, WAXES, GLYCERIN, VEGETABLE OILS, GREASES, ANIMAL FATS, SWEETENER, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS.	YES	⊠ NO
year-in-Ottoboomstonoon	ARE ANY EMISSION UNITS AT THE SOURCE PROPOSED TO BE CONSIDERED INSIGNIFICANT ACTIVITIES THAT MEET THE CRITERIA LISTED IN 35 JLL. ADM. CODE 201.211(a)? IF YES, LIST THE EMISSION UNITS IN THE "LIST OF ACTIVITIES FOR WHICH STATUS AS AN INSIGNIFICANT ACTIVITIES IS PROPOSED PURSUANT TO 201.211(a)" AND PROVIDE THE REQUESTED INFORMATION. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 297-2.	YES	NO
CF	RITERIA IN 35 ILL. ADM. CODE 201.211(a)		
i)	THE EMISSION UNIT WOULD NOT EMIT MORE THAN 1.0 LBS/HR OF ANY REGULATED AIR POLLUTA HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT IN THE ABSENCE OF AIR POLEQUIPMENT;	LLUTION CONTRO	L
lii)	THE EMISSION UNIT WOULD NOT EMIT MORE THA IN 0.1 LB/HR OF ANY REGULATED AIR POLLUT, PURSUANT TO SECTION 112 (b) OF THE CLEAN AIR ACT IN THE ABSENCE OF AIR POLLUTION CONTHE EMISSION UNIT IS NOT A PROCESS UNIT.	ITROL EQUIPMEN	T; AND

LIST OF INSIGNIFICANT ACTIVITIES PURSUANT TO 201.210 (a)(1) THROUGH (18)

EMISSION UNIT AND DESIGNATION	# OF UNITS	DESCRIPTION OF UNIT INCLUDING ANY CONTROL	BASIS FOR INSIGNIFICANCE SECTION 201.210(a)	BASIS FOR DETERMINATION OF EMISSIONS
See Exhibit 297-1				
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			-	No. of the control of
				500

¹ F CONSIDERED INSIGNIFICANT BASED ON EMISSION LEVEL, THE DETERMINATION METHOD OF EMISSION MUST BE PROVIDED (E.G., 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)).

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EXHIBIT 297-1

ALERIS RECYCLING, INC.

LIST OF INSIGNIFICANT ACTIVITIES PURSUANT TO 201.210(a)(1) Through (18)

Emission Unit and Designation	# of Units	Description of Unit Including Any Control	Basis for Insignificance Section 201.210(a)	Basis for Determination of Emissions
Diesel Tank	1	2,000 Gallon diesel tank	201.210(a)(10) Capacity <10,000 gallons	N/A
Assay Pot	1	Natural gas-fired lab scale furnace pot	201.210(a)(6) Capacity <450 cubic inches	N/A
Comfort Heater 1	1	Natural gas-fired comfort heater 25,000 Btu/hr, Plant Managers Office	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 2	1	Natural gas-fired comfort heater 200,000 Btu/hr, Sales Office	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 3	1	Natural gas-fired comfort heater 100,000 Btu/hr, Sales Office	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 4	1	Natural gas-fired comfort heater 140,000 Btu/hr, Locker Room	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 5	1	Natural gas-fired comfort heater 30,000 Btu/hr, Locker Room	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 6	1	Natural gas-fired comfort heater 140,000 Btu/hr, Main Lunch Room	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 7		Natural gas-fired comfort heater 30,000 Btu/hr, Furnace Room Lunch Room	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 8	1 1	Natural gas-fired comfort heater 200,000 Btu/hr, Tractor Shop	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 9		Natural gas-fired comfort heater 400,000 Btu/hr, Weld Shop	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 10		Natural gas-fired comfort heater 400,000 Btu/hr, Parts Room	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 11	1 1	Natural gas-fired comfort heater 30,000 Btu/hr, Maintenance Office	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Comfort Heater 12	1 1	Natural gas-fired comfort heater 20,000 Btu/hr, Guard Shack	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Trough Heater		Natural gas-fired heater for molten aluminum transfer troughs 25,000 Btu/hr each	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A
Surge Bowl Heater	, , ,	Natural gas-fired heater for molten aluminum surge bowls 25,000 Btu/hr each	201.210(a)(4)(A) Capacity <2.5mmBtu/hr	N/A

LIST OF ACTIVITIES FOR WHICH STATUS AS AN INSIGNIFICANT ACTIVITIES IS PROPOSED PURSUANT TO 201.211 (a)

			OPE HRS PER	RATING HO	URS	ΕN	MISSIONS		
			DAY	DAY PER WEEK	WEEK PER YEAR	POLLUTANT	LB PER HOUR	TON PER YEAR	OTHER
EMISSION UNIT AND DESIGNATION	11∪	DESCRIPTION OF UNIT INCLUDING ANY CONTROL	² DISCUSSION:			³ DETERMINATI	ON METHO	SUPPORTING INFORMATION	
N/A									
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· ·			- Anna de la companya	-				<u> </u>	

¹U - TOTAL NUMBER OF UNITS (EMISSION RATES SHOULD BE PROVIDED ON A PER UNIT BASIS).

2DISCUSSION - PROVIDE AN EXPLANATION OF OPERATING HOURS (E.G., THE UNIT IS ON EMERGENCY STANDBY - THEREFORE IT ONLY OPERATES ONE DAY PER MONTH.)

3DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).



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		ID NO.	FOR AGENCY USE ONLY
110	TING OF SIGNIFICANT ACTIVITIES	PERMIT NO.:	
LIO	TING OF SIGNIFICANT ACTIVITIES		
		DATE:	
SEC	TION ONE	SOURCE INFO	RMATION
1) S	OURCE NAME: Aleris Recycling, Inc.		
2) S	OURCE ID NO.: 031045ANE 3)	DATE FORM PRE	EPARED: 07 / 22 / 2013
SEC	TION TWO	INSTRUCTIONS	IN BRIEF
	COMPLETE THE LISTING OF SIGNIFICANT ACTIVITIES IN WHICH THE EMISSION UNIT(S) OR PROCESS(ES)		
2) E	MISSION UNITS MAY BE GROUPED BY ACTIVITY RA	THER THAN INDIVI	DUALLY LISTED (E.G., TANKS 1-5).
	OO NOT INCLUDE INSIGNIFICANT ACTIVITIES IN THIS ISTING OF INSIGNIFICANT ACTIVITIES.	S LISTING; PROVIDE	E THOSE ACTIVITIES IN THE 297-CAAPP-
SEC	TION THREE LISTIN	IG OF SIGNIFIC	ANT ACTIVITIES
#	EMISSION UNIT OR PROCESS		AIR POLLUTION CONTROL EQUIPMENT
	Rotary Furnace #1		BH4
	Rotary Furnace #3		BH1
	Furnace Holder #1	·	N/A
	Furnace Holder #2		N/A
	Salt Cake Handling		BH2 & BH3
	Furnace Charging		BH5
	Barrel Cutting		BH6
			RECEIVI
			STATE OF ILLIN
			1111 9 4 2012

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5, FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

Environmental Protection Agency BUREAU OF ARE

TABLE 1

CHARGE HOOD BAGHOUSE (BH5) EMISSION CALCULATIONS MAXIMUM OPERATION

Particulate Grain Loading Outlet $^{(1)} = 0.005$ gr/scf Baghouse Outlet = 100,000 scfm

Maximum Emissions

In grains = 500.00 gr/minute

30,000 gr/hour

262,800,000 gr/year (2)

In pounds/tons (3): 37,542.86 lbs/year

18.77 tons/year

4.29 lbs/hour

Additional Information:

8,760 hours/year

The baghouse is used as a control device for the Charge Hoods

This control device is exempt in accordance with 35 IAC Section 201.146 (hhh).

¹ Manufacturer's Guarantee.

² Hours of operation

 $^{^3}$ 7,000 grains = 1 pound $^{-1}$

TABLE 2

BARREL CUTTING BAGHOUSE (BH6) EMISSION CALCULATIONS MAXIMUM OPERATION

Particulate Grain Loading Outlet (1) =	0.005	gr/scf
Baghouse Outlet =	10,000	scfm
Maximum Emissions		
In grains =	50.00	gr/minute
	3,000	gr/hour
	6,000,000	gr/year ⁽²⁾
In pounds/tons ⁽³⁾ :	857.14	lbs/year
	0.43	tons/year
	0.43	lbs/hour

Additional Information:

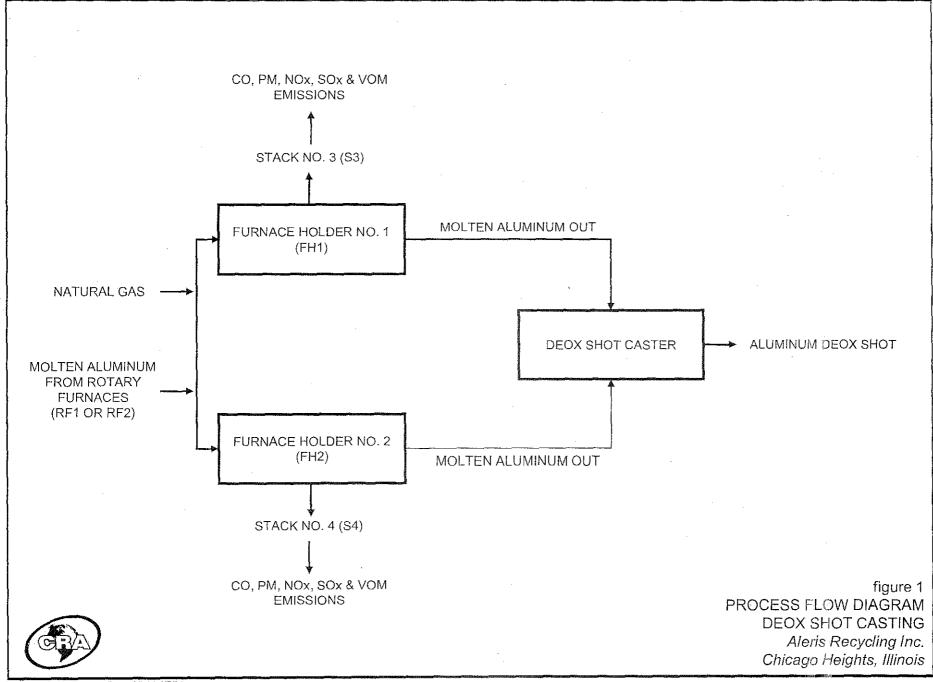
2,000 hours/year

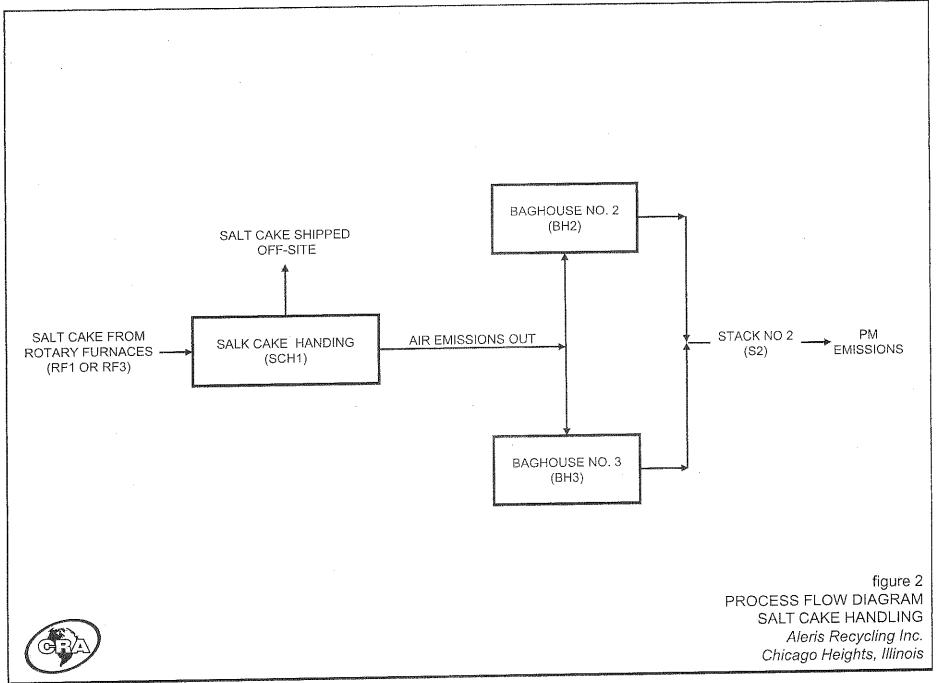
The baghouse is used as a control device for Barrel Cutting Operations
This control device is exempt in accordance with 35 IAC Section 201.146 (hhh).

¹ Manufacturer's Guarantee.

² Hours of operation

 $^{^{3}}$ 7,000 grains = 1 pound





McCormick, Evelyn

From:

Boarman, Luttie

Sent:

Thursday, December 26, 2013 7:20 AM

To: Subject: McCormick, Evelyn FW: Record Request

From: Anatoly.Belogorsky@Illinois.gov [mailto:Anatoly.Belogorsky@Illinois.gov]

Sent: Tuesday, December 24, 2013 10:51 AM

To: EPA.Records

Subject: Record Request

Record Request

Request Date: 12/24/2013

Request From: Anatoly. Belogorsky

Request Priority:

Delivery Selection: No Selection **Agency (Tie) ID:** 031045ANE **Bureau (Media) ID:** 031045ANE

Site Name: Aleris Recycling Permit/Log ID: 09120016

Records Category:

A - 03L - Air Permit - Operating

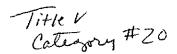
Begin Date: 12/24/2013 End Date: 12/26/2013 Microfilm: No Selection

File Request Comments: CAAPP permit/application

RELEASABLE

DEC 0 2 2015

REVIEWER: JKS





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2)	SOURCE ID NO.: 031045ANE	3)	DATEFOR	M PREPARE	:D: 07	1 22 1	2013]		
	TION TWO		INSTRUCT					Liberary Arts		
	COMPLETE THIS FORM TO DETERMINE T									
	THE EMISSION LEVELS STATED IN SECTI FEE DETERMINATION, WILL BECOME PE						PERMIT	Mark 1000000000000000000000000000000000000		
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	SIGNIFICANT MODIFICATION		MODIFICATION			STRATIVE AN				
2)	COMPLETE THE BELOW TABLE FOR A EMISSIONS, ENTER THE NUMBER(S) FOR									
	POLLUTANT	INCREASE	DECREASE	NO CHANGE	EMISSION	S CHANGE RA	TIONALE(S)			
	NITROGEN OXIDES (NOX)				- 2			*		
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i	CHANGE RATIONALE:				<u> </u>			: !		
	1 BUSINESS DECISION (E.G., OPERATING NEEDS, BANKRUPTCY, ETC.). 2 REMOVAL OR ADDITION OF PROCESSES AT THE SOURCE. 3 INCLUSION OR REMOVAL OF A CONTROL DEVICE. 4 CHEMICAL REFORMULATION (E.G., REFORMULATING A COATING FROM HIGH VOM TO A LOW VOM). 5 FUEL SWITCHING (E.G., COAL TO NATURAL GAS, ETC.). 6 METHODOLOGY CHANGE (E.G., SWITCHING A PETROLEUM SOLVENT TO AQUEOUS SOLUTION). 7 CHANGES IN METHOD USED FOR CALCULATIONS (E.G., EMISSION FACTOR CHANGE).									
	8 OTHER (DESCRIBE):									
	9 OTHER (DESCRIBE):			and the second division of the second	Secretary Comments	115-00-017 - 1018 20-170		i		

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

APPLICATION PAGE 29

FOR APPLICANT'S USE

052034-292-CAAPP

IF YES, THE REMAIN	DER OF THIS FORM	DOES NOT NEED	TO BE COMPLETE	D	NO
2) EMISSION UNIT A	NITROGEN OXIDES (NO _X) (TONS/YR)	PARTICULATE MATTER (PART) (TONS/YR)	SULFUR DIOXIDE (SO ₂) (TONS/YR)	VOLATILE ORGANIC MATERIAL (VOM) (TONS/YR)	OTHER B SPECIFY HCI (TONS/YR)
RF1 & RF3	12.4	33.43	0.09	22.76	8.00
SCH1		27.83			
FH1	2.50	0.44	0.04	0.50	
FH2	2.50	0.44	0.04	0.50	
BH5		18.77			
вн6		0.43			
		-			
3) SUBTOTAL	17.40	81.34	0.17	23.76	8.00
4) FUGITIVE	0.00	6.30	0.00	0.00	0.00
5) TOTAL	17.40	87.64	0.17	23.76	
6) GRAND TOTAL ACR	OSS POLLUTANTS	(TONS/YR):	en de la companya de	appropri <mark>a kosza minim kolonia szeren estepen egyen egy és telepen elemente elemente</mark>	128.9
7) CALCULATED PERM MULTIPLY GRAND 1					\$2,772.86
8) MINIMUM PERMIT F YEAR. IF THE CALC AMOUNTS THEN EN WHICHEVER IS APF	EE IS \$1,800.00 PER CULATED PERMIT FE ITER HERE, OTHER	YEAR. MAXIMUM EE IN ITEM 7 ABOVE WISE ENTER THE M	PERMIT FEE IS \$2: IS BETWEEN THI IINIMUM OR MAXII	50,000.00 PER ESE TWO FEE	- \$2,772.8 6

A EMISSION UNIT - PROVIDE THE NAME AND FLOW DIAGRAM DESIGNATION OF THE EMISSION UNIT AS IT APPEARS ON THE DATA AND INFORMATION FORM.

B OTHER - ANY HAZARDOUS AIR POLLUTANT (HAP) NOT INCLUDED ELSEWHERE, E.G., CHLORINE, HCI, ETC.

^{*} Fee is based on \$21.50 per ton of emissions.

PERMIT REVIEW TRAVELER SHEET

.D.# 031045ANE	Name IMCO Recycling of Illinois Inc							Date R	Date Received 12-7-2009						
application # 09120016	120016 Location				n Chicago Heights							Date Opened 12-7-2009			
'rogram STATE		Type OPERATING Title V Type						pe NEW	NEW						
ag Date		Section					Contact				Expiration	n Doto			
100 to 100 m m m m m m m m m m m m m m m m m m				1				,			Ехриан	m Date			
			TOTAL TO A STANOOLO												
Emissions(Tons/Year)		CO	·	NOX	<u> </u>	PM	<u>-</u>	O2	VOM	Total H	AP Biol	Cin - la II i D			
Current Allowable Rates		36.69		13.6	i J	29.78			22.50		!	nest Single HAP			
'roject/Total Increase	.L.,								22.50	- 1.2012		.20 - HCL			
nitial Completeness		Anal	yst.		Unit	Manager	•	Date of	Determinati	on	Application C	amplete?			
LAAPP Completeness	N/A	B.C.		109				2220 01	Dotel Himael		Yes	omplete:			
ee Completeness	N/A		1-1-1	101			··———				Yes	No			
'echnical Completeness		·						-			Yes	No			
Welcome Phone Call to Permi	t Applicant										=frs./				
Date	Contact N				·	Telepl	hone#		Was Addit	tional Informa	tion Requested				
· · · · · · · · · · · · · · · · · · ·			** ***												
For Incomplete Applications Type of Letter Sent					Analyst	Uı	nit Manage	r	Date Issued		er of Items Re nount of Fee R				
Notice of Additional Fees:				_†						\$					
Notice of Incompleteness(NOI)						- /					PA-DIVISION OF RE	records managemen Leasable			
Request for Addditional Information	n(RAI)			- 4.							DE0	6.0.00e			
All Required Information Received	1?				Ye	\$	No.	Ι	Date Received		TEU.	0 2 2015			
Votice of Intent to Deny CAAPP				. <u> </u>							REVIE	NER: JKS			
Permit Processing						Analyst	- .	i	Date	Unit Ma		Date			
Draft Prepared for Unit Manager R Comments Returned to Analyst	leview &	1.7.4.				TAGA W.									
Final Draft Sent to Applicant for C	omments	* ****					T-7 1.11-30.								
Submitted to Word Processing								-		55,8506					
Draft Permit to Community Relation	ons			N/A	—			<u> </u>							
Public Comment Period Initiated															
Public Hearing Date				N/A						Reviolation ray		Ballyrasijasvič a 1 1 15 - Lucia			
Public Comment Period Completed	i			N/A							ne man ngan siya. In titu na sa sa sa sa sa				
5 Day USEPA Comment Period			[]]	N/A											
JSEPA Comments Received	[]	Yes	[]]	νo											
Responsiveness Summary Complet	ted		1	V/A				<u> </u>				[
Public Participation Completed										;		;			
final Action (Fill in One)						Analyst			Date	Unit Ma	nager	Date			
Permit Not Required															
Grant		,					eropea rando esta estada esta esta esta esta esta esta esta est			ļ		: - 			
Deny								<u> </u>		<u> </u>		 !			
fail-Out District Office	e			Public	Participa	tion List			Cook Count	у .	Health	Dept			
Enforcement				Other				Ini	t		Date				
								Co	mmunity	7					
ermit Electronically Sent to			A	pplican	f	CES	DLC		ations	USEPA	AQP	s Fos			
erson Sending (Initials)															

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FOR APPLICANT'S USE
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Source Designation:

			Source Designation	41.	÷
	1700000	1 6792			
	7.000	an artis (Star, Vigil) and Star (Co., Britis)	OR AGENCY USE ONLY		
APPLICATION FOR CAA (CHECK ONLY ONE		ID NUMBER:	031045	ANE	
INITIAL APPLICATION		PERMIT #:	· A		
RENEWAL APPLICATIO	N		0912001	6	
SIGNIFICANT MODIFICA	ATION	DATE:	12/7/09		
	SOURCE IN	FORMATION			
1) SOURCE NAME:	SOUNCE IN	OMATOR	2) DATE FORM COMP	PLETED:	
IMCO Recycling of Illinois, Ir	nc.		11/20/09		
SOURCE STREET ADDRESS: 400 East Lincoln Highway			(CP)	A-DIVISION OF RECORD RELEASAB	os management E
4) CITY:			5) ZIP:	DEC 02	2015
Chicago Heights			60411	REVIEWER	
6) IS THE SOURCE LOCATED WITHI	N CITY LIMITS?		YES ON)	
7) TOWNSHIP NAME:	8) COUNTY:		9) TYPICAL NO. OF E	MPLOYEES	
Bloom	Cook		50 50		
10) ILLINOIS AIR POLLUTION SOURC (IF KNOWN): 031045ANE	E ID NO.	(FEIN):	1 MPLOYER IDENTIFICATIO -31072272562F427		
12) TYPE OF SOURCE AND PRODUC	TS PRODUCED:				OF ILLINOIS
Source: Secondary Aluminu		ducts: Aluminum	sows & shot		07 2009
13) PRIMARY STANDARD INDUSTRIA	L CLASSIFICATION (S	SIC) CATEGORY:	14) PRIMARY SIC NO.		2000
Secondary Smelting & Refining of	of Non-Ferrous Met	tals	3341	inio cimii Suc	ni Protection Age nc FAU OF AIR
15a) LATITUDE (DD:MM:SS):		b) LONGITUDE	(DD:MM:SS):		
41:30:20		-87:3	7:00		{ }
16a) UTM ZONE:	b) UTM VERTICAL	_ (KM):	c) UTM HORIZONTA	IL (KM):	
17a) COORDINATE METHOD:	b) REFERENCE L	OCATION:	c) COORDINATE AC	CURACY:	
	MapQuest				
18) SOURCE ENVIRONMENTAL CON	TACT PERSON:	19) CONTACT P	PERSON'S TELEPHONE N	0.:	1
James Langston		708.757.8	902		

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE 1 of 136

FOR APPLICANT'S USE

	OWNE	ER INFOR	RMATION		
20) NAME:					
Aleris Interna	tional, Inc.				
21) ADDRESS:			·		
25825 Sc	ience Park Drive, Suit	e 400			
203	100 0717				
22) CITY:	23) STATE:			24) ZIP:	
Beachwood	Ohio			44122	
25) OWNER'S AGENT (IF A	PPLICABLE):				
	OPERA	TOR INFO	ORMATION		
26) NAME:	07 127 (71)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
IMCO Recycl	ing of Illinois, Inc.				
27) ADDRESS:					
·	Lincoln Highway			·	
700 11031	Lincoll Finghtivay				
28) CITY:	29) STATE:			30) ZIP:	
Chicago Heights Illinois				60411	
	BILLIN	VG INFOI	RMATION		
31) NAME:					
IMCO Recyc	ling of Illinois, Inc.		,		
32) ADDRESS:					
· ·	Lincoln Highway				
33) CITY:	34) ST			35) ZIP:	
Chicago Heights	111	inois		60411	
36) CONTACT PERSON:		37) CONTACT PE	I RSON'S TELEPHONE NO.:	
, Larry Lipa			708.757.8901		
	Amero	A A (T / ** *	ODMATICAL		
38) WHO IS THE PERMIT	APPLIC		ORMATION CORRESPONDE	NCE	
APPLICANT? (CHECK ONE):	OWNER		(CHECK ONE)	OWNED	
(CHECK DIVE):	OPERATOR			OWNER SOUR	
			·	US OPERATOR	
40) ATTENTION NAME AND		N CORRES	PONDENCE:	e e	
Larry Lipa, Plant M	anager			•	
41) TECHNICAL CONTACT	PERSON FOR APPLICAT	ION:	42) CONTAC	T PERSON'S TELEPHONE NO.:	
Larry Lipa			708.757	7.8901	

SUMMARY OF APPLICATION CONTENTS		
NOTE: ITEMS 43 TO 62 WILL BE USED FOR APPLICATION COMPLETENESS DETERMINATION.		
43) DOES THE APPLICATION INCLUDE A TABLE OF CONTENTS?	X YES	O NO
44) DOES THE APPLICATION INCLUDE A LIST OF ALL ITEMS AND ACTIVITIES FOR WHICH A PERMIT IS BEING SOUGHT?	∀ES	□ NO
45) DOES THE APPLICATION INCLUDE A PLOT PLAN AND/OR MAP DEPICTING THE AREA WITHIN ONE-QUARTER MILE OF THE SOURCE?		O NO
46) DOES THE APPLICATION INCLUDE A PROCESS FLOW DIAGRAM(S) SHOWING ALL EMISSION UNITS AND CONTROL EQUIPMENT, AND THEIR RELATIONSHIP?	X YES	Ои
47) DOES THE APPLICATION INCLUDE A COMPLETE PROCESS DESCRIPTION FOR THE SOURCE?		□ NO
48a) DOES THE APPLICATION INCLUDE THE APPROPRIATE, COMPLETED FORMS FOR ALL INDIVIDUAL EMSSION UNITS AND AIR POLLUTION CONTROL EQUIPMENT, LISTING ALL APPLICABLE REQUIREMENTS AND PROPOSED EXEMPTIONS FROM OTHERWISE APPLICABLE REQUIREMENTS?	∀ES	□ NO
b) DOES THE APPLICATION ADDRESS OTHER MODES OF OPERATION FOR WHICH A PERMIT IS BEING SOUGHT?	*NA C	YES ONO
c) DOES THE APPLICATION INCLUDE ALL REASONABLY ANTICIPATED OPERATING SCENARIOS FOR WHICH A PERMIT IS BEING SOUGHT?	*NOTE; NOT AP	YES ONO
49) DOES THE APPLICATION INCLUDE A COMPLETED "FUGITIVE EMISSION" FORM 391- CAAPP?	∀ES	ОиО
50) DOES THE APPLICATION INCLUDE A COMPLETED "FEE DETERMINATION FOR CAAPP PERMIT" FORM 292-CAAPP? (NOTE: ANNUAL FEES WILL BE BASED UPON INFORMATION CONTAINED IN THIS FORM.)	X YES	О мо
51) DOES THE APPLICATION INCLUDE A COMPLETED "HAZARDOUS AIR POLLUTANT EMISSION SUMMARY" FORM 215-CAAPP?	∀ES	О мо
52) DOES THE APPLICATION INCLUDE THE CALCULATIONS ON WHICH THE FOLLOWING, TO THE EXTENT THEY ARE RELATED TO AIR EMISSIONS, WERE BASED: • POLLUTANT EMISSION RATES,	∀ES	ON O
FUELS AND RAW MATERIALS USAGE, AND CONTROL EQUIPMENT EFFICIENCY?		
53) DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT" FORM 293-CAAPP?	∀ES	O NO
54) DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE CERTIFICATION" FORM 296-CAAPP?		O NO
55) DOES THE APPLICATION INCLUDE A COMPLETED "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE-ADDENDUM FOR NONCOMPLYING EMISSION UNITS" FORM 294-CAAPP FOR ONE OR MORE NONCOMPLIANT EMISSION UNITS FOR WHICH ISSUANCE OF A CAAPP PERMIT IS REQUESTED?	*NOTE: NOT A	YES ONO

56) HAS THE APPLICANT RETAINED A COPY OF THIS APPLICATION AT THE SOURCE? (NOTE: IF TRADE SECRET INFORMATION IS NOT BEING SUBMITTED, THEN ONLY THE ORIGINAL APPLICATION NEED BE INITIALLY SUBMITTED, HOWEVER, THE ILLINOIS EPA MAY REQUEST UP TO 4 COPIES OF THE FINAL APPLICATION PRIOR TO PUBLIC NOTICE.)	Xes Yes	□ NO
57a) DOES THE APPLICATION CONTAIN TRADE SECRET INFORMATION?	YES	. Ø NO
b) IF YES, HAS SUCH INFORMATION BEEN PROPERLY MARKED AND CLAIMED, AND TWO SEPARATE COPIES OF THE APPLICATION SUITABLE FOR PUBLIC INSPECTION BEEN SUBMITTED, IN ACCORDANCE WITH APPLICABLE REGULATIONS?	YES	O NO
58) DOES THE APPLICATION INCLUDE AN EARLY REDUCTION DEMONSTRATION FOR HAZARDOUS AIR POLLUTANTS (HAP) PURSUANT TO SECTION 112(i)(5) OF THE CLEAN AIR ACT AS AMENDED IN 1990?	*NOTE: NOT AF	YES ONO
59) DOES THE APPLICATION INCLUDE A PROPOSED DETERMINATION OF MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY (MACT) FOR HAZARDOUS AIR POLLUTANTS PURSUANT TO SECTION 112 OF THE CLEAN AIR ACT AS AMENDED IN 1990?	*NOTE: NOT AF	
60) HAS THE APPLICANT REGISTERED A RISK MANAGEMENT PROGRAM FOR ACCIDENTAL RELEASES PURSUANT TO SECTION 112(r) OF THE CLEAN AIR ACT AS AMENDED IN 1990 OR INTENDS TO COMPLY WITH THIS REQUIREMENT IN ACCORDANCE WITH ITS COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE?	*NOTE: NOT A	YES ONO
61a) FOR CAAPP PERMIT RENEWALS, DOES THE APPLICATION INCLUDE A COMPLIANCE ASSURANCE MONITORING PLAN (FORM 464-CAAPP) PURSUANT TO 40 CFR PART 64?	*NOTE: NOT AF	YES ONO
b) FOR SIGNIFICANT MODIFICATIONS AND INITIAL CAAPP APPLICATIONS SUBMITTED AFTER APRIL 20, 1998, DOES THE APPLICATION INCLUDE A COMPLIANCE ASSURANCE MONITORING PLAN (FORM 464-CAAPP) PURSUANT TO 40 CFR PART 64 FOR EMISSION UNITS WITH POST-CONTROL EMISSIONS GREATER THAN OR EQUAL TO THE MAJOR SOURCE THRESHOLD?	*NA C	YES NO
62) FOR SIGNIFICANT MODIFICATIONS, DOES THE APPLICATION INCLUDE A DESCRIPTION OF THE PROPOSED CHANGE(S), INCLUDING ALL PHYSICAL CHANGES IN EQUIPMENT, CHANGES IN THE METHOD OF OPERATION, CHANGES IN EMISSIONS, AND ANY NEW APPLICABLE REQUIREMENTS WHICH WILL APPLY AS A RESULT OF THE PROPOSED CHANGE?	YES	Ои 🛇
NOTE: ANSWERING "NO" TO ANY OF THE ABOVE (ITEMS 43-62, EXCEPT I'IN THE APPLICATION BEING DEEMED INCOMPLETE.	TEM 57a) N	IAY RESULT
63) DOES THE APPLICATION REQUEST TO UTILIZE THE OPERATIONAL FLEXIBILITY PROVISIONS AND INCLUDE THE INFORMATION REQUIRED FOR SUCH USE?	YES	🛇 ио
64a) DOES THE APPLICANT HEREBY REQUEST A PERMIT SHIELD FOR THE ENTIRE SOURCE?		O NO
b) IF NO, DOES THE APPLICATION CONTAIN A REQUEST FOR A PERMIT SHIELD FOR SPECIFIC ITEMS ONLY, IN ACCORDANCE WITH THE INSTRUCTIONS FOR A CAAPP PERMIT?	YES	O NO
65) DOES THE APPLICATION INCLUDE A COMPLETED "LISTING OF INSIGNIFICANT ACTIVITIES" FORM 297-CAAPP?	X YES	O NO
66) DOES THE APPLICATION INCLUDE A DRAWING PROVIDING THE SOURCE LAYOUT? IF NO, PLEASE NOTE THAT THE ILLINOIS EPA MAY REQUEST SUCH A DRAWING UPON DETAILED REVIEW OF THE APPLICATION.	∀ES	О мо

67) WH	Y IS THE APPLICANT APPLYING FOR A CAAPP PERMIT (CHECK ALL THAT APPLY)?						
u,							
. ()	THE POTENTIAL TO EMIT ONE OR MORE AIR POLLUTANTS FOR THE SOURCE IS 100 TONS/YEAR OR GREATER.						
	THE SOURCE IS AN AFFECTED SOURCE FOR ACID RAIN DEPOSITION.						
	THE POTENTIAL TO EMIT VOM IS 25 TONS/YEAR OR MORE AND THE SOURCE IS LOCATED IN ONE OF THE FOLLOWING CHICAGO AREA COUNTIES OR TOWNSHIPS:						
	 COOK COUNTY DUPAGE COUNTY KANE COUNTY LAKE COUNTY MCHENRY COUNTY WILL COUNTY AUX SABLE TOWNSHIP, GRUNDY COUNTY GOOSE LAKE TOWNSHIP, GRUNDY COUNTY OSWEGO TOWNSHIP, KENDALL COUNTY 						
distance with the control of the con	NOTE: THE U. S. EPA HAS APPROVED AN EXEMPTION ON NITROGEN OXIDES (NOX) EMISSIONS AS AN OZONE PRECURSOR IN THE CHICAGO OZONE NON-ATTAINMENT AREA. THEREFORE THE MAJOR SOURCE THRESHOLD FOR NOX EMISSIONS IS 100 TONS/YEAR UNTIL THIS EXEMPTION IS NO LONGER EFFECTIVE. SHOULD THE CURRENT NOX EXEMPTION BE NO LONGER EFFECTIVE, THE MAJOR SOURCE THRESHOLD FOR NOX EMISSIONS WILL BE 25 TONS/YEAR IN THE ABOVE CHICAGO AREA COUNTIES AND TOWNSHIPS.						
	THE POTENTIAL TO EMIT AN INDIVIDUAL HAZARDOUS AIR POLLUTANT IS 10 TONS/YEAR OR MORE, OR THE POTENTIAL TO EMIT ALL SOURCE WIDE HAZARDOUS AIR POLLUTANTS IS 25 TONS/YEAR OR MORE, OR MEETS AN APPLICABLE LOWER THRESHOLD.						
	THE SOURCE CONTAINS EQUIPMENT OR OPERATIONS SUBJECT TO CERTAIN USEPA EMISSION STANDARDS (NSPS AND NESHAP) FOR WHICH USEPA REQUIRES A CAAPP PERMIT.						
	E ACTUAL EMISSIONS OF THE SOURCE BELOW THE APPLICABILITY LEVELS FOR CAAPP PERMIT? YES NO						
CC	SES THE APPLICATION CONTAIN PROPOSED PERMIT LIMITATIONS THAT WILL INSTRAIN THE EMISSIONS AND PRODUCTION OR OPERATION OF THE SOURCE CH THAT POTENTIAL EMISSIONS OF THE SOURCE WILL FALL BELOW THE VELS FOR WHICH A CAAPP PERMIT IS REQUIRED?						
OF OR BE	DES THE APPLICANT HEREBY REQUEST A FEDERALLY ENFORCEABLE STATE DERATING PERMIT (FESOP) CONSTRAINING THE EMISSIONS AND PRODUCTION OPERATION OF THE SOURCE SUCH THAT POTENTIAL EMISSIONS WOULD FALL LOW APPLICABILITY LEVELS AND THEREBY EXCLUDE THE SOURCE FROM EQUIRING A CAAPP PERMIT?						
	SIGNATURE BLOCK						
69) I CE INC	HIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION MILL BE RETURNED AS INCOMPLETE. ERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE JUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND MPLETE.						
AU ⁿ	THORIZED SIGNATURE:						
BA	4 R. L. PLANT MANAGEON						
	AUTHORIZED SHOWATURE AUTHORIZED SHOWATURE LARRY R. L. FA 12 14 12009						
	1 ARRY K. LifA 12 4 , 2009						
1	TYPED OR YRIN FED NAME OF SIGNA FORY /DATE /						

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FOR AP	PLICANT'S USE
Revision #:	
Date:	_ / /
Page	of
Source Desi	gnation:
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FEE DETERMINATION FOR	-
CAAPP PERMIT	-

FOR AGENCY	USEONLY	
ID NUMBER:		
PERMIT #:		
DATE:		

THE DATA PROVIDED ON THIS FORM WILL BE USED TO DETERMINE THE PERMIT FEE. THE EMISSION LEVELS STATED ON THIS FORM CAN ONLY BE USED FOR THE PURPOSE OF PERMIT FEE DETERMINATION IF THE APPLICANT IS WILLING TO ACCEPT THESE LEVELS AS PERMIT SPECIAL CONDITIONS. EMISSIONS DATA PROVIDED ON THIS FORM MUST BE IDENTICAL TO DATA IN THE "PERMITTED EMISSION RATE" COLUMNS PROVIDED ON THE DATA AND INFORMATION FORM FOR INDIVIDUAL EMISSION UNITS OR CONTROL EQUIPMENT. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 292-1.

SOURCE INFORMATION				
1) SOURCE NAME:				
IMCO Recycling of Illinois, Inc.				
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE			

		FEE DATA	4		j	
4) WILL THE SOURCE PAY	THE MAXIMUM FE	E OF \$250,000.00 PE	ER YEAR?	O YES	s ⊠ ио	
IF YES, THE REMAINDE	R OF THIS FORM DO	DES NOT NEED TO	BE COMPLETED.			
5) EMISSION UNIT*	NITROGEN OXIDES (NO _X)	PARTICULATE MATTER (PART)	SULFUR DIOXIDE (SO ₂)	VOLATILĖ ORGANIC MATERIAL (VOM)	OTHER** SPECIFY HCI	
	(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)	
RF1 & RF2	13.6	3.3	0.03	22.5	1.20	
FH1	2.5	0.44	0.04	0.5		
FH2	2.5	0.44	0.04	0.5		
SCH1		25.6				E VENO
					STATE	2000 P
					ne(Od Man
					Edwyddiad.	M Protocibili Agenti REAU OF AIR
					130	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE ___1

FOR APPLICANT'S USE

Printed on Recycled Paper 292-CAAPP

^{*}EMISSION UNIT - PROVIDE THE NAME AND FLOW DIAGRAM DESIGNATION OF THE EMISSION UNIT AS IT APPEARS ON THE DATA AND INFORMATION FORM.

^{**}OTHER - ANY HAZARDOUS AIR POLLUTANT (HAP) NOT INCLUDED ELSEWHERE, E.G., CHLORINE, HCI, ETC.

) (CONTINUED) EMISSION UNIT*	NITROGEN OXIDES (NO _X)	PARTICULATE MATTER (PART)	SULFUR DIOXIDE (SO ₂)	VOLATILE ORGANIC MATERIAL (VOM)	OTHER** SPECIFY
		(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)	(TONS/YR)
				- Prijate		

^{*}EMISSION UNIT - PROVIDE THE NAME AND FLOW DIAGRAM DESIGNATION OF THE EMISSION UNIT AS IT APPEARS ON THE DATA AND INFORMATION FORM.

^{**}OTHER - ANY HAZARDOUS AIR POLLUTANT (HAP) NOT INCLUDED ELSEWHERE, E.G., CHLORINE, HCI, ETC.

6)	SUBTOTAL	18.60	29.78	0.11	23.50	1.20
7)	FUGITIVE		6.30			
8)	TOTAL	A 18.60	в 36.08	<i>c</i> 0.11	D 23.50	E 1.20
9) G	RAND TOTAL - ADE	D BOXES A THROUGH I	E (TONS/YR):			\$79.49
10) (CALCULATED PERI MULTIPLY GRAND	MIT FEE - IF GRAND TO FOTAL BY \$18.00 AND E	TAL IN ITEM 9 ABO ENTER, OTHERWIS	VE IS > 100 TONS/ E ENTER \$1,800.00	YR THEN :	\$1,800.00
,	YEAR. IF THE CALO AMOUNTS THEN EI	FEE IS \$1,800.00 PER YI CULATED PERMIT FEE NTER HERE, OTHERWI PLICABLE. THIS IS THE	IN ITEM 10 ABOVE SE ENTER THE MIN	IS BETWEEN THES	E TWO FEE	\$1,800.00



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	FOR AGENCY USE ONLY
	ID NUMBER:
	TO HOME
COMPLIANCE OFFICIOATION	PERMIT #:
COMPLIANCE CERTIFICATION	FERIOR #.
E.	
	DATE:
в	V
AN APPLICATION FOR A CAAPP PERMIT MUST CONTAIN A CERTIF FORM MUST BE SUBMITTED WITH THE ORIGINAL CAAPP PERMIT	ICATION OF COMPLIANCE SIGNED BY A RESPONSIBLE OFFICIAL. THIS APPLICATION AND UPDATED ON AN ANNUAL BASIS.
SOURCE II	NFORMATION
1) SOURCE NAME:	
IMCO Recycling of Illinois, Inc.	¥ 14
	SOURCE ID NO.
PREPARED: 11/20/09	(IF KNOWN): 031045ANE
4) CAAPP PERMIT NUMBER (IF KNOWN):	
	known
5) IS THIS THE FIRST SUBMITTAL OF THIS FORM?	
3/13 THIS THE TIKET SUBMITTAL OF THIS FORMS	
IF NO, WHAT IS THE REPORTING PERIOD	
COVERED BY THIS FORM?	//
	The same of the sa
SOURCE COMPLI	ANCE INFORMATION
6) DOES THE SIGNATORY OF THIS FORM HEREBY CERT	
APPLICABLE REQUIREMENTS?	
	0 120 0 110
IF NO, EXPLAIN:	*
*	
7) PROVIDE THE SCHEDULE FOR SUBMISSION OF COMP	PLIANCE CERTIFICATION DURING THE PERMIT TERM, E.G.,
THAN ANNUALLY):	RTIFICATION MUST BE SUBMITTED NO LESS FREQUENTLY
Once annually by March 31st for the preceeding	calendar year.
8) INDICATE THE COMPLIANCE STATUS OF THE SOURCE	E WITH ANY APPLICABLE ENHANCED MONITORING AND
COMPLIANCE CERTIFICATION REQUIREMENTS OF THE	
REQUIRED AND IN COMPLIANCE WITH COMPLIANCE	
1	l l
In compliance with 40 CFR 63, Subpart RRR m	nonitoring requirements.
In compliance with 40 CFR 63, Subpart RRR m	nonitoring requirements.
In compliance with 40 CFR 63, Subpart RRR m	nonitoring requirements.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

EMISSION UNITS COMPLIANCE INFORMATION

9a) THE FOLLOWING EMISSION UNITS ARE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS SUCH AS EMISSION STANDARDS, EMISSION CONTROL REQUIREMENTS, EMISSION TESTING, COURT REQUIREMENTS, WORK PRACTICES, OR ENHANCED MONITORING, BASED ON THE COMPLIANCE METHODS SPECIFIED BELOW (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-1):

ADDITIONAL SPACE IS NEEDED, F
EMISSION UNIT
Rotary Furnace No. 1 & 2
Furnace Holder No. 1 & 2
Salt Cake Handling
Salt Cake Handling
Bag House No. 1
Bag House No. 2 & 3
Roadways

APPLICABLE RULE
40 CFR 63, Subpart RRR
40 CFR 63.1511 & 63.1512
35 IAC 218,301
35 IAC 212.301
35 IAC 212.321
35 IAC 218 Subpart TT
Permit 07110033, Cond. 7a
Permit 07110033, Cond. 7b
35 IAC 212.301
35 IAC 212.123(a) & (b)
35 IAC 218.301
35 IAC 212.321
Permit 06080013, Cond. 7
35 IAC 212.301
Permit 96100015, Cond. 1
35 IAC 212.123(a) & (b)
40 CFR 63, Subpart RRR
40 CFR 63.1511 & 63.1512
35 IAC 218,301
35 IAC 212.321
35 IAC 212.123(a) & (b)
35 IAC 212.301

,
COMPLIANCE DETERMINATION METHOD
As specified in OMM
Srce. Test of HCl, D/F & PM
Srce. Test of VOM
Daily visual inspection
Scre. Test of PM
Rolling 12 mo. calculation
Rolling 12 mo. calculation
Rolling 12 mo. calculation
Daily visual inspection
Method 9
AP-42 & burner rating
AP-42 & burner rating
Rolling 12 mo. calculation
Daily visual inspection
Rolling 12 mo. calculation
Method 9
As specified in OMM
Srce. Test of HCl, D/F & PM
Srce. Test of VOM
Scre. Test of PM
Method 9
Daily visual inspection

EMISSION UNIT	REASON(S) FOR NONCOMPLIANCE
N/A	
2	
SUMMARY OF METHODS USED TO D	COMPLIANCE INFORMATION
NEEDED, ATTACH AND LABEL AS	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.):
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS arry Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS arry Furnace No. 1 & 2, and Bag	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS ary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26
NEEDED, ATTACH AND LABEL AS ary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.
NEEDED, ATTACH AND LABEL AS tary Furnace No. 1 & 2, and Bag ghouse No. 1, 2 & 3 and Furnac	ODS USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS EXHIBIT 296-3.): g House No. 1: Methods 1, 2, 3, 4, 5, 23, 25A, 26 de Holder No. 1 & 2: Method 9 when visible emisisons occur.

10b) DESCRIPTION OF MONITORING PROCEDURES USED TO DEMONSTRATE COMPLIANCE, INCLUDING ANY ENHANCED MONITORING REQUIREMENTS OF THE ACT (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-4.):

Rotary Furnace No. 1 & 2: See OMM and daily visual emissions.

Furnace Holder No. 1 & 2: Daily visual emissions and opacity if VE occurs. .

Salt Cake Handling: Daily visual emissions and salt cake disposal weight for each shipment.

Baghouse No. 1: See OMM and opacity if VE occurs.

Baghouse No. 2 & 3: Opacity if VE occurs.

Roadways: Daily visual emissions.

c) DESCRIPTION OF RECORDKEEPING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 296-5.):

Rotary Furnace No. 1 & 2: See OMM. Heat sheet with natural gas usage completed each shift and daily log of visual emissions. Calculation of PM, VOM, HCI, NOx and CO emissions on a 12 month rolling average maintained on spreadsheet.

Furnace Holder No. 1 & 2: Heat sheet with natural gas usage completed each day, daily log of visual emissions and log of opacity if VE occurs. Calculation of PM emissions on a 12 month rolling average maintained on spreadsheet.

Salt Cake Handling: Shipping papers with salt cake disposal weights for each off-site shipment and daily log of visual emissions. Calculation of PM emissions on a 12 month rolling average maintained on spreadsheet.

Baghouse No. 1: See OMM and log of opacity if VE occurs.

Baghouse No. 2 & 3: Log of opacity if VE occurs.

Roadways: Daily log of visual emissions.

10d) DESCRIPTION OF RE ATTACH AND LABEL A	PORTING USED TO DEMONSTRATE COMPLIANCE (IF ADDITIONAL SPACE IS NEEDED, IS EXHIBIT 296-6.):
Startup, Shutdown and 1.	d Malfunction NESHAP report for Rotary Furance No. 1 & 2 and Bag House No.
Semi-annual NESHAP	Excess Emissions Report for Rotary Furnace No. 1 & 2 and Bag House No. 1.
Annual NESHAP Com	pliance Certification for Rotary Furnace No. 1 & 2 and Bag House No. 1.
·	
	SIGNATURE BLOCK
VAZILL BE RETURNED	N MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION
11) LOERTIEY LINDER P	ENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE EMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND
AUTHORIZED SIGNA	ATURE:
BY:	R. T. PLANT MANAGED
	AUTHORIZED SONATURE TITLE OF SIGNATORY



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL – PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE			
Revision #:			
Date:	- /		1
Page		of	
Course Desi	-neti		
Source Designation:			
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COMPLIANCE PLAN/
SCHEDULE OF COMPLIANCE
FOR CAAPP PERMIT

	FOR AGE	NCY USE ON	ΙLΥ	615-192-25-51 615-192-25-51
ID NUMBER:				
PERMIT #:				
-				
DATE:				

THE CLEAN AIR ACT PERMIT PROGRAM (CAAPP) REQUIRES THAT THE APPLICANT SUBMIT A COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR ALL EMISSION UNITS AT THE CAAPP SOURCE, REGARDLESS OF THE COMPLIANCE STATUS OF EACH INDIVIDUAL EMISSION UNIT. THIS FORM REQUIRES THAT THE COMPLIANCE STATUS BE STATED FOR EACH EMISSION UNIT. APPLICATION FORM 294-CAAPP, "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE - ADDENDUM FOR NON COMPLYING EMISSION UNITS," MUST BE SUBMITTED FOR EACH EMISSION UNITS OF SUBMITTAL.

SOURCE	E INFORMATION
1) SOURCE NAME:	
IMCO Recycling of Illinois, Inc	
2) DATE FORM	3) SOURCE ID NO.
PREPARED: 11/20/09	(IF KNOWN): 031045ANE
F	
	PLIANCE INFORMATION
4) DESCRIBE THE COMPLIANCE STATUS OF THE SOU	RCE WITH ALL APPLICABLE REQUIREMENTS (E.G., "SOURCE
IS IN COMPLIANCE WITH ALL APPLICABLE REQUIRE	EMENIS"):
Source is in compliance with all applicable requ	urements
5) IF IN COMPLIANCE, WILL THE SOURCE CONTINUE	TO COMPLY WITH ALL APPLICABLE REQUIREMENTS?
	X YES NO
IF NO, EXPLAIN:	
· ·	
6) WILL THE SOURCE MEET, ON A TIMELY BASIS, APP DURING THE PERMIT TERM?	LICABLE REQUIREMENTS WHICH BECOME EFFECTIVE
BORING THE FERMIN TERMS	Ø ○
IE NO EVOLAN	
IF NO, EXPLAIN	
	•

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

EMISSION UNITS COMPLIANCE INFORMATION				
7) EMISSION UNITS IN COMPLIANCE THE FOLLOWING EMISSION UNITS ARE IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS AND WILL CONTINUE TO COMPLY WITH SUCH REQUIREMENTS DURING THE PERMIT TERM. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 293-1:				
DESIGNATION ID NUMBER EMISSION UNIT				
RF1	Rotary Furnace No. 1			
RF2	Rotary Furnace No. 2			
BH1 .	Bag House No. 1			
FH1	Furnace Holder No. 1			
FH2	Furnace Holder No. 2			
SCH1	Salt Cake Handling			
ВН2	Bag House No. 2			
ВН3	Bag House No. 3			

EMISSIO .	N UNITS COMPLIANCE INFORMATION (cntd)
DESIGNATION ID NUMBER	EMISSION UNIT
P 11	
"	
REQUIREMENTS WILL ACHIEVE	UTURE COMPLIANCE DATES S, WHICH ARE CURRENTLY IN COMPLIANCE WITH ALL APPLICABLE ON A TIMELY BASIS, AND MAINTAIN COMPLIANCE WITH, FUTURE COMPLIANCE CABLE DURING THE PERMIT TERM. IF ADDITIONAL SPACE IS NEEDED, ATTACH FUTURE
DESIGNATION ID NUMBER	COMPLIANCE DATE (MONTH/DAY/YEAR)
N/A	

THE FOLLOWING EMISSION UNIT TIME OF PERMIT APPLICATION. I APPLICABLE REQUIREMENTS PR	ANCE - COMPLIANCE TO BE ACHIEVED PRIOR TO PE S ARE NOT IN COMPLIANCE WITH ALL APPLICABLE HOWEVER, THESE EMISSION UNITS WILL ACHIEVE OF IOR TO PERMIT ISSUANCE AND WILL CONTINUE TO RMIT TERM. IF ADDITIONAL SPACE IS NEEDED, ATT	REQUIREMENTS AT THE COMPLIANCE WITH ALL COMPLY WITH SUCH ACH AND LABEL AS
DESIGNATION ID NUMBER	EMISSION UNIT	FUTURE COMPLIANCE DATE (MONTH/DAY/YEAR)
N/A		
	DESCRIPTION OF THE MEANS BY WHICH COMPLIA ITS LISTED IN 9a) ABOVE. IF ADDITIONAL SPACE IS	
LABEL AS EXHIBIT 293-4: N/A		
IN/A		
		•
10) EMISSION UNITS NOT IN COMPLIA	ANCE - COMPLIANCE WILL NOT BE ACHIEVED PRIOF	R TO PERMIT ISSUANCE
THE FOLLOWING EMISSION UNIT THE TIME OF PERMIT ISSUANCE. ADDENDUM FOR NON COMPLYIN COMPLIANCE WITH ALL APPLICA	S WILL NOT BE IN COMPLIANCE WITH ALL APPLICATE A FORM 294-CAAPP, "COMPLIANCE PLAN/SCHEDUI G EMISSION UNITS," MUST BE SUBMITTED FOR EMI BLE REQUIREMENTS AT THE TIME OF PERMIT ISSU, ING EMISSION UNITS. IF ADDITIONAL SPACE IS NEI	BLE REQUIREMENTS AT LE OF COMPLIANCE - SSION UNITS NOT IN ANCE. A FORM 294-CAAPP
		DATE COMPLIANCE SCHEDULED TO BE
DESIGNATION ID NUMBER	EMISSION UNIT	ACHIEVED (MONTH/DAY/YEAR)
N/A		

IMCO Recycling of Illinois, Inc. PO Box 751 400 E Lincoln Hwy Chicago Heights II 60411 Tel: 708.758.8888 Fax: 708.758.0029 Aluminum Recycling



December 15, 2009

Illinois Environmental Protection Agency Bureau of Air Division of Air Pollution Control Permit Section P.O. Box 19506 Springfield, Illinois 62794-9506

Re:

IMCO Recycling of Illinois, Inc. Application for CAAPP Permit

ID No. 031045ANE

Dear Permit Section:

Attached are two additional, completed forms (i.e., 286-CAAPP & 464-CAAPP) to be included with the application for a CAAPP Permit (i.e., Title V Permit) for IMCO Recycling of Illinois, Inc. located at 400 East Lincoln Highway in Chicago Heights, Illinois previously submitted to the Permit Section on November 20, 2009. These forms are submitted as requested by Ms. Betsy Cole of the Permit Section.

Also attached is a revised Table of Contents relevant to the CAAPP Permit application.

If you have any questions regarding this application, please contact me at your earliest convenience. I can be reached at the following telephone number: 708.757.8901, or email address: larry.lipa@aleris.com.

Sincerely,

IMCO Recycling of Illinois, Inc.

Larry Lipa
Plant Manager

Attachment

cc: James Buckert, Aleris

Brady Myers, Aleris

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE			
Revision #:			
Date:	_ / .		1
Page		_ of	
Source Desig	gnat	ion:	

		FOR AGENCY USE ONLY
SINGLE SOURCE DETERMINATION		ID NO.:
		PERMIT NO.:
		DATE:
SE	ECTION ONE	SOURCE INFORMATION
1)	No.	
2)	SOURCE ID NO.: 031045ANE	3) DATE FORM PREPARED: 11/ 20 / 09
SF	ECTION TWO	INSTRUCTIONS IN BRIEF
1)	COMPLETE SECTION FOUR FOR <u>EACH</u> SOURCE SINGLE SOURCE WITH THE PERMITTEE. THIS SINGLES OR IF ADDITIONAL SPACE IS NEEDED.	THAT THE PERMITTEE DETERMINES IS OPERATING AS A ECTION MAY BE COPIED AS NEEDED FOR ADDITIONAL . IF COMPLETING THIS SECTION THERE IS NO NEED TO E SOURCE CONFIRMS A SINGLE SOURCE RELATIONSHIP.
2)	SINGLE SOURCE WITH THE PERMITTEE. CHECK FORM A CONCISE BUT THOROUGH EXPLANATION	HAT THE PERMITTEE CONFIRMS IS NOT OPERATING AS A CALL THAT APPLY AND PROVIDE AS AN ATTACHMENT TO THIS IN OF EACH CHECKED SINGLE SOURCE FACTOR. REFERENCE SINGLE SOURCE FACTOR CONDITION. THIS SECTION MAY BE SOR IF ADDITIONAL SPACE IS NEEDED.
3)	REFER TO 286-CAAPP INSTRUCTIONS FOR FURT	THER GUIDANCE ON COMPLETING THIS FORM.
		1
CI	ECTION TUBEE	
	ECTION THREE	SINGLE SOURCE STATUS
	ECTION THREE HAT IS YOUR SOURCE STATUS (CHOOSE ONE OF T	SINGLE SOURCE STATUS
	HAT IS YOUR SOURCE STATUS (CHOOSE ONE OF	SINGLE SOURCE STATUS
Wł	HAT IS YOUR SOURCE STATUS (CHOOSE ONE OF T	SINGLE SOURCE STATUS THE FOLLOWING):
1)	HAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE ABOVE MENTIONED SOURCE IS A SION THE ABOVE MENTIONED SOURCE IS A SION THE ABOVE MENTIONED SOURCE IS A SION THE ABOVE MENTIONED SOURCE	SINGLE SOURCE STATUS THE FOLLOWING): NGLE SOURCE WITH ANOTHER SOURCE.
1) 2) 3)	HAT IS YOUR SOURCE STATUS (CHOOSE ONE OF THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT SIGN.	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE. ATURE BLOCK
1) 2) 3) NC	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT THE ABOVE MENTIONED SOURCE IS NOT SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. I A SINGLE SOURCE WITH ANOTHER SOURCE.
1) 2) 3) NC WI	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT THE ABOVE MENTIONED SOURCE IS NOT SIGN. SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON LL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASE INQUIRY, THE STATEMENTS AND INFORMATION COMPLETE.	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE.
1) 2) 3) NC WI	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT SIGN. SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON LL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASE INQUIRY, THE STATEMENTS AND INFORMATION COMPLETE. JTHORIZED SIGNATURE	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE. ATURE BLOCK ISIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION ED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE
1) 2) 3) NC WI	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT SIGN. SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON LL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASE INQUIRY, THE STATEMENTS AND INFORMATION COMPLETE. JTHORIZED SIGNATURES BY:	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE. ATURE BLOCK ISIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION ED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND PLANT MANAGEMENT.
1) 2) 3) NC WI	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT SIGN. SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON LL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASE INQUIRY, THE STATEMENTS AND INFORMATION COMPLETE. JTHORIZED SIGNATURE	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE. ATURE BLOCK ISIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION ED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE
1) 2) 3) NC WI	THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS A SI THE ABOVE MENTIONED SOURCE IS NOT SIGN. SIGN. OTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPON LL BE RETURNED AS INCOMPLETE. I CERTIFY UNDER PENALTY OF LAW THAT, BASE INQUIRY, THE STATEMENTS AND INFORMATION COMPLETE. JTHORIZED SIGNATURES BY:	SINGLE SOURCE STATUS THE FOLLOWING): INGLE SOURCE WITH ANOTHER SOURCE. INGLE SOURCE WITH MULTIPLE SOURCES. IT A SINGLE SOURCE WITH ANOTHER SOURCE. ATURE BLOCK ISIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION ED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND PLANT MANAGEMENT.

RECEIVED STATE OF ILLINOIS

DEC 1 6 2009

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5.
FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DEVICED TO A 10 PM 142 Page 1 of 4

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OPERATING AS A SINGLE SOURCE WITH THIS FACILITY

COMPLETE THE FOLLOWING TABLE FOR <u>ALL</u> SOURCES WHICH ARE CONSIDERED SINGLE SOURCES WITH THIS SOURCE. FOR THE REQUESTED SINGLE SOURCE DESCRIPTION COLUMN, DESCRIBE THE FUNCTION AND PRODUCT/SERVICE PROVIDED BY THE SINGLE SOURCE. FOR THE REQUESTED SINGLE SOURCE RELATIONSHIP COLUMN, DESCRIBE THE INTERACTION(S) WITH THE SINGLE SOURCE BY CHOOSING FROM AMONG THE FOLLOWING REASONS LISTED BELOW, AND BRIEFLY EXPLAIN IF NECESSARY. USE ADDITIONAL PAGES OR ATTACHMENTS AS NECESSARY.

#	SOURCE NAME	SOURCE ID#	ADDRESS	SINGLE SOURCE DESCRIPTION	SINGLE SOURCE RELATIONSHIP A
Pitty, concernments at the Colored by Agramman					
2					
3					
4					
5					

A CHOOSE OF THE FOLLOWING REASONS AND BRIEFLY EXPLAIN IF NECESSARY: 1) SAME SIC CODE, 2) SHARED COMPANY STRUCTURE (E.G., SAME PARENT COMPANY, SISTER COMPANIES, ETC.); 3) CONTRACTUAL RELATIONSHIP(S); 4) PROCESS/PRODUCTION CO-DEPENDENCY; 5) CONTIGUOUS OR ADJACENT PROPERTIES; 6) INTEGRATED FACILITIES; 7) SUPPORT FACILITY RELATIONSHIP (E.G., CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER SOURCE), OR 8) OTHER (EXPLAIN).

	SECTION FIVE NOT OPERATING AS A SINGLE SOURCE WITH THIS FACILITY				
1)	SOURCE NAME:				
2)	SOURCE STREET ADDRESS:				
3)	CITY:	ITY:			
4)	ZIP;		5) PRIMARY SIC NO.:		
6)	PRIMA	RY STANDARD INDUSTRIAL CLASSIFICATION (S	SIC) CATEGORY:		
		,	a) LONGITUDE (DDAMACC)		
7)		JDE (DD:MM:SS):	8) LONGITUDE (DD:MM:SS):		
	SINGLE SOURCE FACTORS: SINGLE MAJOR INDUSTRIAL GROUPING (SIC CODE)				
9)		BOVE MENTIONED SOURCE IS A STATIONARY SPING (SIC CODE):	SOURCE BELONGING TO A <u>SINGLE MAJOR INDUSTRIAL</u>		
		ES NO			
		RY SIC NO. OF THE SINGLE SOURCE:			
		SINGLE SOURCE FACTO	RS: COMMON CONTROL		
10)	THE A	BOVE MENTIONED SOURCE IS A STATIONARY	SOURCE UNDER <u>COMMON CONTROL</u> :		
		YES NO IF "YES", CONTINUE T	O QUESTION 11 AS THE SOURCE CONFIRMS A COMMON		
	<u> </u>				
A	片	SAME "PARENT" COMPANY BETWEEN THE TW			
В		CONTRACTUAL RELATIONSHIPS BETWEEN TH	,		
С		A FINANCIAL CO-DEPENDENCY BETWEEN THE TWO (OR MORE) FACILITIES?			
D		JOINT OWNERSHIP BETWEEN THE TWO (OR MORE) FACILITIES?			
E		VOTING INTEREST BETWEEN THE TWO (OR MORE) FACILITIES?			
F		SHARED LIABILITY BETWEEN THE TWO (OR MORE) FACILITIES?			
G		SHARED MANAGERIAL HIERARCHY BETWEEN	THE TWO (OR MORE) FACILITIES?		
Н		CONTRACT-FOR-SERVICE RELATIONSHIP BETWEEN THE TWO (OR MORE) FACILITIES?			
.1		PROCESS/PRODUCTION CO-DEPENDENCY BE	TWEEN THE TWO (OR MORE) FACILITIES?		
j		ADJACENT LOCATION BETWEEN THE TWO (O	R MORE) FACILITIES?		
К		FINANCIAL INTEREST BETWEEN THE TWO (OF	R MORE) FACILITIES?		
L		COMMON EMPLOYEES BETWEEN THE TWO (C	DR MORE) FACILITIES?		
М		SHARED EQUIPMENT BETWEEN THE TWO (OF	R MORE) FACILITIES?		
N		LANDLORD-TENANT RELATIONSHIP BETWEEN	THE TWO (OR MORE) FACILITIES?		
0		FUNDING RELATIONSHIP BETWEEN THE TWO	(OR MORE) FACILITIES?		
Р		SHARED PRODUCTS OR BY-PRODUCTS BETWEEN THE TWO (OR MORE) FACILITIES?			
Q		SHARED TRANSPORTATION/PROCESS LINE B	ETWEEN THE TWO (OR MORE) FACILITIES?		
R		SHARED PAYROLL ACTIVITY, EMPLOYEE BEN COVERAGE, OR OTHER ADMINISTRATIVE FUN	EFITS, HEALTH PLANS, RETIREMENT FUNDS, INSURANCE ICTIONS BETWEEN THE TWO (OR MORE) FACILITIES?		
S		SHARED RESPONSIBILITY FOR COMPLIANCE THE TWO (OR MORE) FACILITIES?	WITH AIR QUALITY CONTROL REQUIRMENTS BETWEEN		
		OTHER (EXPLAIN):			
Τ					

	Parandilla and	SINGLE SOURCE FACTORS: CONTIGUOUS OR ADJACENT PROPERTIES						
		ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE LOCATED ON ONE OR MORE <u>CONTIGUOUS OR</u> ACENT PROPERTIES:						
		YES NO IF "YES", CONTINUE TO QUESTION 12 AS THE SOURCE CONFIRMS A CONTIGUOUS OR ADJACENT RELATIONSHIP.						
	APPR	DXIMATE STRAIGHT LINE DISTANCE TO THE SOURCE (MILES):						
Α		WAS THE LOCATION CHOSEN DUE TO ITS PROXIMITY TO EXISTING FACILITY?						
В		ARE THE FACILITIES INTEGRATED SUCH THAT THEY SIGNIFICANTLY AFFECT THE DEGREE TO WHICH THEY MAY BE DEPENDANT ON EACH OTHER?						
		ARE MATERIALS ROUTINELY TRANSFERRED BETWEEN FACILITIES?						
С		WATERWAY RAILWAY OVER THE ROAD - PUBLIC ROAD OTHER (EXPLAIN): OTHER (EXPLAIN):						
		ARE EMPLOYEES SHUTTLED BETWEEN FACILITIES?						
D		LINE WORKERS MAINTENANCE AND/OR REPAIR CREWS ADMINISTRATIVE PERSONNEL SECURITY						
		STAFF OTHER (EXPLAIN):						
		ARE PRODUCTION PROCESSES SPLIT BETWEEN FACILITIES AND/OR IS THERE A FUNCTIONAL INTER- RELATIONSHIP:						
Ε		COMPONENTS PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. RAW MATERIAL PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2.						
- Andrews Communication of the		A BYPRODUCT PRODUCED IN FACILITY #1 AND PROCESSED IN FACILITY #2. OTHER (EXPLAIN):						
F		OTHER (EXPLAIN):						
		SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE						
	THE	SINGLE SOURCE FACTORS: SUPPORT FACILITY RATIONALE ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY:						
	THE A							
	THE A	ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A <u>SUPPORT FACILITY</u> : YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY						
12)	THE A	ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL						
12)	THE A	ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER						
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12) A B		ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A SUPPORT FACILITY: YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE HAS THE "TECHNICAL CAPABILITY" TO PROVIDE OUTPUT OR SERVICE TO OTHER CUSTOMERS. THE SOURCE WOULD NOT EXIST AT THAT SITE BUT FOR ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCE).						
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12) A B C D		ABOVE MENTIONED SOURCE IS A STATIONARY SOURCE OPERATING AS A <u>SUPPORT FACILITY</u> : YES NO IF "YES", STOP AS THE SOURCE CONFIRMS A SUPPORT FACILITY RELATIONSHIP. THE SOURCE CONVEYS, STORES, OR OTHERWISE ASSISTS IN THE PRODUCTION OF A PRINCIPAL PRODUCT AT ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE PROVIDES MORE THAN 50 PERCENT OF ITS OUTPUT OR SERVICE TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES)? THE SOURCE'S PROCESSES ARE SOLELY DERIVED/SUPPLIED FROM/TO ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE HAS THE "TECHNICAL CAPABILITY" TO PROVIDE OUTPUT OR SERVICE TO OTHER CUSTOMERS. THE SOURCE WOULD NOT EXIST AT THAT SITE BUT FOR ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES). THE SOURCE HAS PRODUCTION PROCESS SPLIT BETWEEN ANOTHER STATIONARY SOURCE (OR GROUP OF STATIONARY SOURCES) AND/OR THERE IS FUNCTIONAL INTER-RELATIONSHIP: COMPONENTS PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. RAW MATERIAL PROCESSED IN FACILITY #1 AND FINISHED IN FACILITY #2. A BYPRODUCT PRODUCED IN FACILITY #1 AND FINISHED IN FACILITY #2. OTHER (EXPLAIN):						

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE
Revision #:
Date: / /
Page of
Source Designation:

	FOR AGENCY USE ONLY
COMPLIANCE ASSURANCE MONITORING (CAM) PLAN	ID NUMBER: PERMIT #:
	DATE:

FOR INFORMATION ABOUT THE CAM RULE AND THIS FORM, PLEASE REFER TO 40 CFR PART 64. ADDITIONAL INFORMATION (INCLUDING GUIDANCE DOCUMENTS) MAY ALSO BE FOUND AT http://www.epa.gov/ttn/emc/cam.html

SOURCE INFORMATION

1) SOURC IMCO	E NAME: Recycling of Illinois, Inc.			
2) DATE F PREPA		.2	3) SOURCE ID NO.: 031045ANE	_
		BASIS OF	CAM SUBMITTAL	_
	HE APPROPRIATE BOX BEL ATION FOR A CAAPP PERMI	OW AS TO WHY	THIS CAM PLAN IS BEING SUBMITTED AS PART OF AN	_
RESP		R POLLUTANT) FO	PECIFIC EMISSIONS UNITS CONSIDERED SEPARATELY WITH OR WHICH A CAM PLAN HAS <u>NOT</u> YET BEEN APPROVED NEED	
DEVI	CE EMISSIONS OF AN APPLICA	ABLE REGULATED	NLY LARGE PSEUS (PSEUS WITH POTENTIAL POST-CONTROL AIR POLLUTANT THAT ARE EQUAL TO OR GREATER THAN ADDRESSED IN THIS CAM PLAN SUBMITTAL.	
ADDF	RESSED IN THIS CAM PLAN SU	BMITTAL. FOR LA	Y LARGE PSEUS BEING MODIFIED AFTER 4/20/98 NEED TO BE RGE PSEUS WITH AN APPROVED CAM PLAN, ONLY ADDRESS FFECTED BY THE SIGNIFICANT MODIFICATION.	

CAM APPLICABILITY DETERMINATION

- 5) TO DETERMINE APPLICABILITY, A PSEU MUST MEET <u>ALL</u> OF THE FOLLOWING CRITERIA. COMPLETE PAGES 2 AND 3 FOR ALL PSEUS AT THIS SOURCE. (USE THESE IDENTIFIERS TO INDICATE REASON FOR NON-APPLICABILITY IN BOX 6b, PAGE 3):
 - THE PSEU IS LOCATED AT A MAJOR SOURCE THAT IS REQUIRED TO OBTAIN A CAAPP PERMIT;
 - THE PSEU IS SUBJECT TO AN EMISSION LIMITATION OR STANDARD FOR THE APPLICABLE REGULATED AIR POLLUTANT THAT IS NOT EXEMPT;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR PART 60) OR NESHAP (40 CFR PARTS 61 AND 63) PROPOSED AFTER 11/15/1990.
- STRATOSPHERIC OZONE PROTECTION REQUIREMENTS.
- ACID RAIN PROGRAM REQUIREMENTS.
- EMISSION LIMITATIONS OR STANDARDS FOR WHICH A CAAPP PERMIT SPECIFIES A CONTINUOUS COMPLIANCE DETERMINATION METHOD, AS DEFINED IN THE CAM RULE.
- AN EMISSION CAP THAT MEETS THE REQUIREMENTS SPECIFIED IN 40 CFR 70.4(B)(12).
- THE PSEU USES AN ADD-ON CONTROL DEVICE TO ACHIEVE COMPLIANCE WITH AN EMISSION LIMITATION OF STANDARD;

THE PSEU HAS POTENTIAL PRE-CONTROL DEVICE EMISSIONS OF THE APPLICABLE REGULATED AIR POLLUTANT THAT ARE EQUAL TO OR GREATER THAN MAJOR SOURCE THRESHOLD LEVELS; AND

THE PSEU IS NOT AN EXEMPT BACKUP UTILITY POWER EMISSIONS UNIT THAT IS MUNICIPALLY-OWNED

FIEC 1 6 2009

CEIVE

Environmental Protection Actu DUDEAU OF AS

THIS AGENCY IS AUTHORIZED TO REQUIRE AND YOU MUST DISCLOSE THIS INFORMATION UNDER 415 ILCS 5/39. FAILURE TO DO SO COULD RESULT IN THE APPLICATION BEING DENIED AND PENALTIES UNDER 415 ILCS 5 ET SEQ. IT IS NOT NECESSARY TO USE THIS FORM IN PROVIDING THIS INFORMATION. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

6a) BACKGROUND DATA AND INFORMATION - UNITS SUBJECT TO CAM COMPLETE THE FOLLOWING TABLE AND PAGES 4 AND 5 FOR ALL PSEUS THAT ARE SUBJECT TO CAM. THIS SECTION IS TO BE USED TO PROVIDE BACKGROUND DATA AND INFORMATION FOR EACH PSEU IN ORDER TO SUPPLEMENT THE SUBMITTAL REQUIREMENTS SPECIFIED IN 40 CFR 64.4. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 464.6a. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE CAAPP APPLICATION BEING DEEMED INCOMPLETE OR DENIED. ^aEMISSION LIMITATION **PSEU** CONTROL b MONITORING REQUIREMENT DESIGNATION DESCRIPTION **POLLUTANT** DEVICE OR STANDARD EXAMPLE (REG) 35 IAC 218.207(b)(1) - 81% OVERALL METAL PARTS THERMAL 35 IAC 218.105(d)(2)(A)(i) - MONITOR AFTERBURNER **EMISSIONS REDUCTION** .VOM COMBUSTION CHAMBER TEMPERATURE COATER #1 COATING LINE #1 AFTERBURNER #1 (PERMIT) 24,9 TPY OF VOM

bINDICATE THE MONITORING REQUIREMENTS FOR THE CONTROL DEVICE THAT ARE REQUIRED BY AN APPLICABLE REGULATION OR PERMIT CONDITION.

INDICATE THE EMISSION LIMITATION OR STANDARD FOR ANY APPLICABLE REQUIREMENT THAT CONSTITUTES AN EMISSION LIMITATION, EMISSION STANDARD, OR STANDARD OF PERFORMANCE.

EXAMPLES OF EMISSION LIMITATIONS OR STANDARDS MAY INCLUDE PERMITTED EMISSION LIMITATIONS (PERMIT), APPLICABLE REGULATIONS (REG), WORK PRACTICES (WP), PROCESS OR CONTROL

DEVICE PARAMETERS (PAR), OR OTHER FORMS OF SPECIFIC DESIGN, EQUIPMENT, OPERATIONAL, OR OPERATION AND MAINTENANCE REQUIREMENTS (OTHER).

6b) BACKGROUND DATA AND INFORMATION – UNITS NOT SUBJECT TO CAM

COMPLETE THE FOLLOWING TABLE FOR ALL PSEUS THAT ARE NOT SUBJECT TO CAM. THIS SECTION IS TO BE USED TO PROVIDE BACKGROUND DATA AND INFORMATION FOR EACH PSEU IN ORDER TO INDICATE THE REASON FOR NON-APPLICABILITY AND JUSTIFY THAT CAM DOES NOT APPLY. YOU MAY ABBREVIATE BY USING THE CRITERIA IDENTIFIER'S FROM BOX 5 ON PAGE 1, FOR UNITS NOT SUBJECT TO CAM DUE TO EMISSION LEVELS (i.e., CRITERIA "5d"), INDICATE THE POTENTIAL PRE-CONTROL DEVICE EMISSIONS AND PROVIDE CALCULATIONS AND LABEL AS EXHIBIT 464-6b, WITH THE APPROPRIATE PSEU DESIGNATION AND POLLUTANT. IF NECESSARY, MULTIPLE PSEUS WITH SIMILAR DATA AND INFORMATION MAY BE INCLUDED ON THE SAME LINE TO SAVE SPACE. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS EXHIBIT 464-6b, FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE CAAPP APPLICATION BEING DEEMED INCOMPLETE OR DENIED.

PSEU DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	REASON(S) FOR NON-APPLICABILITY
RF1	Rotary Furnace No. 1	PM, HCL & D/F	BH1	Subject to 40 CFR Subpart RRR.
RF2	Rotary Furnace No. 2	PM, HCL & D/F	BH1	Subject to 40 CFR Subpart RRR
SCH1	Salt Cake Handling	PM & PM10	BH2 & BH3	Potential pre-control emissions of PM & PM10 are less than major source threshold
EXAMPLE COATER #1	METAL PARTS COATING LINE #1	VOM	THERMAL AFTERBURNER #1	DOES NOT MEET CRITERIA "5d" (PRE-CONTROL PTE IS 15 TONS PER YEAR). SEE EXHIBIT 464-6b FOR PRE-CONTROL PTE CALCULATIONS

APPLICATION PAGE 139

	aCAM M	ONITORING APPROACH CRITE	RIA		
COMPLETE THIS SECTION FOR <u>EACH</u> PSEU THAT IS SUBJECT TO CAM. THIS SECTION MAY BE COPIED AS NEEDED FOR EACH PSEU THIS SECTION IS TO BE USED TO PROVIDE MONITORING DATA AND INFORMATION FOR <u>EACH</u> INDICATOR SELECTED FOR <u>EACH</u> PSEU IN ORDER TO MEET THE MONITORING DESIGN CRITERIA SPECIFIED IN 40 CFR 64.3 AND 64.4. IF MORE THAN TWO INDICATORS ARE BEING SELECTED FOR A PSEU OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS <u>EXHIBIT 464.8</u> WITH THE APPROPRIATE PSEU DESIGNATION, POLLUTANT, AND INDICATOR NOS. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE CAAPP APPLICATION BEING DEEMED INCOMPLETE OR DENIED.					
7a) PSEU DESIGNATION:	7b) POLLUTANT:	7c) ^b INDICATOR NO. 1;	7d) ^b INDICATOR NO. 2:		
8a) GENERAL CRITER	RIA				
	ONITORING APPROACH SURE THE INDICATORS:				
<u>RANGE</u> OR T ESTABLISHING T WHICH PRO	PROPRIATE <u>INDICATOR</u> THE PROCEDURES FOR THE INDICATOR RANGE OVIDES A REASONABLE ANCE OF COMPLIANCE:		The state of the s		
d PROVIDE <u>(</u> <u>PLAN (QII</u>	QUALITY IMPROVEMENT P) THRESHOLD LEVELS:				
8b) PERFORMANCE	CRITERIA				
PROVIDE THE <u>SPECIFICATIONS FOR</u> OBTAINING REPRESENTATIVE DATA, SUCH AS DETECTOR LOCATION AND INSTALLATION SPECIFICATIONS:					
PROVIDE <u>VERIFICATION PROCEDURES</u> , INCLUDING MANUFACTURER'S RECOMMENDATIONS, <u>TO CONFIRM THE</u> OPERATIONAL STATUS OF THE MONITORING:					
CONTROL (QA/QC ADEQUATE TO EN VALIDITY OF TI	SURANCE AND QUALITY 2) PRACTICES THAT ARE SURE THE CONTINUING HE DATA, CONSIDERING 'S RECOMMENDATIONS:				
^e PROVIDE THE <u>MC</u>	NITORING FREQUENCY:				
	THE <u>DATA COLLECTION</u> LES THAT WILL BE USED:				
FOR THE PUF WHET	ATA AVERAGING PERIOD RPOSE OF DETERMINING THER AN EXCURSION OR DANCE HAS OCCURRED:	•			

IF CEMS, COMS, OR PEMS ARE USED, THEN THIS SECTION NEED NOT BE COMPLETED <u>ONLY</u> FOR THE CEMS, COMS, OR PEMS, EXCEPT THAT THE SPECIAL CRITERIA INFORMATION OF 40 CFR 64.3(d) MUST BE PROVIDED AS EXHIBIT 464-CEMS, COMS, PEMS.

CINDICATOR RANGES MAY BE BASED ON A SINGLE MAXIMUM OR MINIMUM VALUE OR AT MULTIPLE LEVELS THAT ARE RELEVANT TO DISTINCTLY DIFFERENT OPERATING CONDITIONS, EXPRESSED AS A FUNCTION OF PROCESS VARIABLES, EXPRESSED AS MAINTAINING THE APPLICABLE INDICATOR IN A PARTICULAR OPERATIONAL STATUS OR DESIGNATED CONDITION, OR ESTABLISHED AS INTERDEPENDENT BETWEEN MORE THAN ONE INDICATOR.

THE QIP THRESHOLD LEVEL IS A LEVEL AT WHICH THE TOTAL DURATION OF EXCURSIONS OR EXCEEDANCES AT THE PSEU IS GREATER THAN 5% OF THE PSEU'S TOTAL OPERATING TIME DURING THE REPORTING PERIOD. (EXAMPLE: 5 OF 90 OPERATING DAYS WERE OUTSIDE THE INDICATOR RANGE DURING THE REPORTING PERIOD.)

[©]AT A MINIMUM, LARGE PSEUS MUST COLLECT FOUR OR MORE DATA VALUES EQUALLY SPACED OVER EACH HOUR AND THOSE VALUES AVERAGED. ALL OTHER PSEUS MUST COLLECT DATA AT LEAST ONCE PER 24-HOUR PERIOD.

DESCRIBE ALL INDICATORS TO BE MONITORED WHICH SATISFIES 40 CFR 64.3(a). INDICATORS OF EMISSION CONTROL PERFORMANCE FOR THE CONTROL DEVICE AND ASSOCIATED CAPTURE SYSTEM MAY INCLUDE MEASURED OR PREDICTED EMISSIONS (INCLUDING VISIBLE EMISSIONS OR OPACITY), PROCESS AND CONTROL DEVICE OPERATING PARAMETERS THAT AFFECT CONTROL DEVICE (AND CAPTURE SYSTEM) EFFICIENCY OR EMISSION RATES, OR RECORDED FINDINGS OF INSPECTION AND MAINTENANCE ACTIVITIES.

RATIONALE AND JUSTIFICATION							
COMPLETE THIS SECTION FOR <u>EACH</u> PSEU THAT IS SUBJECT TO CAM. THIS SECTION MAY BE COPIED AS NEEDED FOR EACH PSEU.							
THIS SECTION IS TO BE USED TO PROVIDE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF <u>EACH</u> INDICATOR AND							
MONITORING APPROACH AND <u>EACH</u> INDICATOR RANGE IN ORDER TO MEET THE SUBMITTAL REQUIREMENTS SPECIFIED IN 40 CFR							
54.4. FAILURE TO COMPLETE THIS SECTION IN ITS ENTIRETY MAY RESULT IN THE CAAPP APPLICATION BEING DEEMED							
INCOMPLETE OR DENIED.							
9a) PSELL DESIGNATION: 9b) POLLUTANT:							

10) <u>INDICATORS AND THE MONITORING APPROACH</u>: PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF THE INDICATORS AND THE MONITORING APPROACH USED TO MEASURE THE INDICATORS. ALSO PROVIDE ANY DATA SUPPORTING THE RATIONALE AND JUSTIFICATION. EXPLAIN THE REASONS FOR ANY DIFFERENCES BETWEEN THE VERIFICATION OF OPERATIONAL STATUS OR THE QUALITY ASSURANCE AND CONTROL PRACTICES PROPOSED AND THE MANUFACTURER'S RECOMMENDATIONS. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS <u>EXHIBIT 464-10</u> WITH THE APPROPRIATE PSEU DESIGNATION AND POLLUTANT):

- 11) INDICATOR RANGES. PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTION OF THE INDICATOR RANGES. THE RATIONALE AND JUSTIFICATION SHALL INDICATE HOW **EACH** INDICATOR RANGE WAS SELECTED BY EITHER A COMPLIANCE OR PERFORMANCE TEST, A TEST PLAN AND SCHEDULE, OR BY ENGINEERING ASSESSMENTS. DEPENDING ON WHICH METHOD IS BEING USED FOR EACH INDICATOR RANGE, INCLUDE THE SPECIFIC INFORMATION REQUIRED BELOW FOR THAT SPECIFIC INDICATOR RANGE. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS **EXHIBIT 464-11** WITH THE APPROPRIATE PSEU DESIGNATION AND POLLUTANT):
 - COMPLIANCE OR PERFORMANCE TEST (INDICATOR RANGES DETERMINED FROM CONTROL DEVICE OPERATING PARAMETER DATA OBTAINED DURING A COMPLIANCE OR PERFORMANCE TEST CONDUCTED UNDER REGULATORY SPECIFIED CONDITIONS OR UNDER CONDITIONS REPRESENTATIVE OF MAXIMUM POTENTIAL EMISSIONS UNDER ANTICIPATED OPERATING CONDITIONS. SUCH DATA MAY BE SUPPLEMENTED BY ENGINEERING ASSESSMENTS AND MANUFACTURER'S RECOMMENDATIONS). THE RATIONALE AND JUSTIFICATION SHALL INCLUDE A SUMMARY OF THE COMPLIANCE OR PERFORMANCE TEST RESULTS THAT WAS USED TO DETERMINE THE INDICATOR RANGE AND DOCUMENTATION INDICATING THAT NO CHANGES HAVE TAKEN PLACE THAT COULD RESULT IN A SIGNIFICANT CHANGE IN THE CONTROL SYSTEM PERFORMANCE OR THE SELECTED INDICATOR RANGES SINCE THE COMPLIANCE OR PERFORMANCE TEST WAS CONDUCTED.
 - TEST PLAN AND SCHEDULE (INDICATOR RANGES WILL BE DETERMINED FROM A PROPOSED IMPLEMENTATION PLAN AND SCHEDULE FOR INSTALLING, TESTING, AND PERFORMING ANY OTHER APPROPRIATE ACTIVITIES PRIOR TO USE OF THE MONITORING). THE RATIONALE AND JUSTIFICATION SHALL INCLUDE THE PROPOSED IMPLEMENTATION PLAN AND SCHEDULE THAT WILL PROVIDE FOR USE OF THE MONITORING AS EXPEDITIOUSLY AS PRACTICABLE AFTER APPROVAL OF THIS CAM PLAN, BUT IN NO CASE SHALL THE SCHEDULE FOR COMPLETING INSTALLATION AND BEGINNING OPERATION OF THE MONITORING EXCEED 180 DAYS AFTER APPROVAL.
 - ENGINEERING ASSESSMENTS (INDICATOR RANGES OR THE PROCEDURES FOR ESTABLISHING INDICATOR RANGES
 ARE DETERMINED FROM ENGINEERING ASSESSMENTS AND OTHER DATA, SUCH AS MANUFACTURERS' DESIGN
 CRITERIA AND HISTORICAL MONITORING DATA, BECAUSE FACTORS SPECIFIC TO THE TYPE OF MONITORING,
 CONTROL DEVICE, OR PSEU MAKE COMPLIANCE OR PERFORMANCE TESTING UNNECESSARY). THE RATIONALE AND
 JUSTIFICATION SHALL INCLUDE DOCUMENTATION DEMONSTRATING THAT COMPLIANCE TESTING IS NOT REQUIRED
 TO ESTABLISH THE INDICATOR RANGE.

RATIONALE AND JUSTIFICATION:

COMPLETENESS REVIEW SHEET
Please check the appropriate information boxes, insert necessary information, take appropriate actions, and forward to the appropriate Unit Manager.
Unit I, State/FESOP Unit II, Utilities Unit III, CAAPP Check if; (66c marked yes) (66c marked no & item 14 is 4911) (66c marked no & item 14 not 4911) Initial Application Renewal Application
Source I.D. Number 031 045 ANE
The following Forms are missing:
Form 200 Form 292 Form 294 (if submitted) Form 296 - 293 \(\sqrt{286} \) The following Forms have inconsistent signatures/no signature:
Form 200
FORM 200
☐ Line(s) 1, 2, 3, 4, 5, 6, 7, 8 is/are incomplete.
Lines 43 - 62 (except line 57(a)):
The following lines have been marked "NO":
The following lines have been left "BLANK":
For first time CAAPP permit renewals, is Line 61(a) marked Yes?
☐ Yes
If No, see CAAPP Application Completeness Determination Administrative Support Procedure for appropriate action.
Lines 63 - 68:
☐ The following lines have been left "BLANK":
FORM 294

Lines 5 - 8:

IMCO Recycling of Illinois, Inc.

PO Box 751 400 E Lincoln Hwy Chicago Heights II 60411

Tel: 708.758.8888 Fax: 708.758.0029 Aluminum Recycling

Aleris

November 20, 2009

Illinois Environmental Protection Agency Bureau of Air Division of Air Pollution Control Permit Section P.O. Box 19506 Springfield, Illinois 62794-9506

Re:

IMCO Recycling of Illinois, Inc. Application for CAAPP Permit

ID No. 031045ANE

Dear Permit Section:

Attached is an application for a CAAPP Permit (i.e., Title V Permit) for IMCO Recycling of Illinois, Inc. located at 400 East Lincoln Highway in Chicago Heights, Illinois.

This application is submitted as specified by Civil Action No. 1:09cv-00340, entered on October 22, 2009. Item 29 of this Action requires that:

"Within 180 days after the Effective Date, IMCO Recycling of Illinois, Inc. shall submit to the Illinois Environmental Protection Agency an application for a major source Clean Air Act Permit Program operating permit for its Chicago Heights facility. At the time of this submission, IMCO Recycling of Illinois, Inc. shall submit to EPA Region 5 a copy of the cover letter accompanying the application."

If you have any questions regarding this application, please contact me at your earliest convenience. I can be reached at the following telephone number: 708.757.8901, or email address: larry.lipa@aleris.com.

Sincerely,

IMCO Recycling of Illinois, Inc.

Larfy Lipa

Plant Manager

Attachment

STEEDINGS

DEC 07 2009

cc: Todd Russo, USEPA Region 4 (Cover Letter Only)
Compliance Tracker AE17J, USEPA Region V (Cover Letter Only)
Ray Pilapil, Illinois EPA (Cover Letter Only)

The Action Agency

Rebecca Burlingham, Illinois Attorney General's Office (Cover Letter Only) Roy Harsch, Drinker Biddle & Reath LLP (Cover Letter Only) Gary Barnett, Aleris (Cover Letter Only) James Buckert, Aleris

Clean Air Act Permit Program Application

IMCO Recycling of Illinois, Inc.
400 East Lincoln Highway
Chicago Heights, Illinois 60411

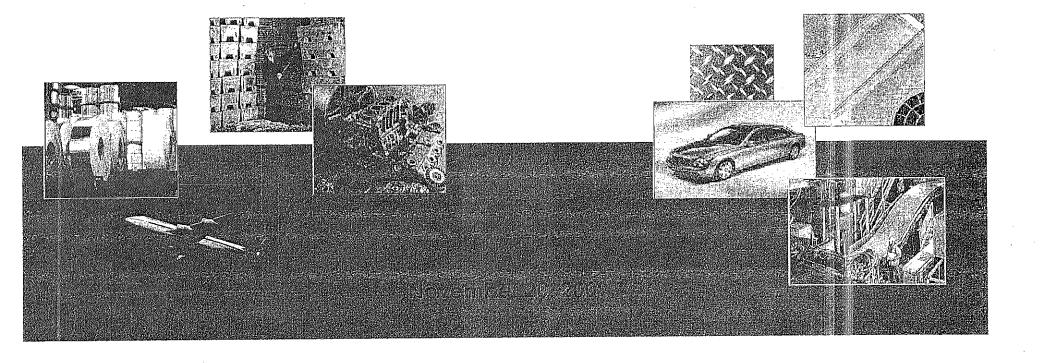
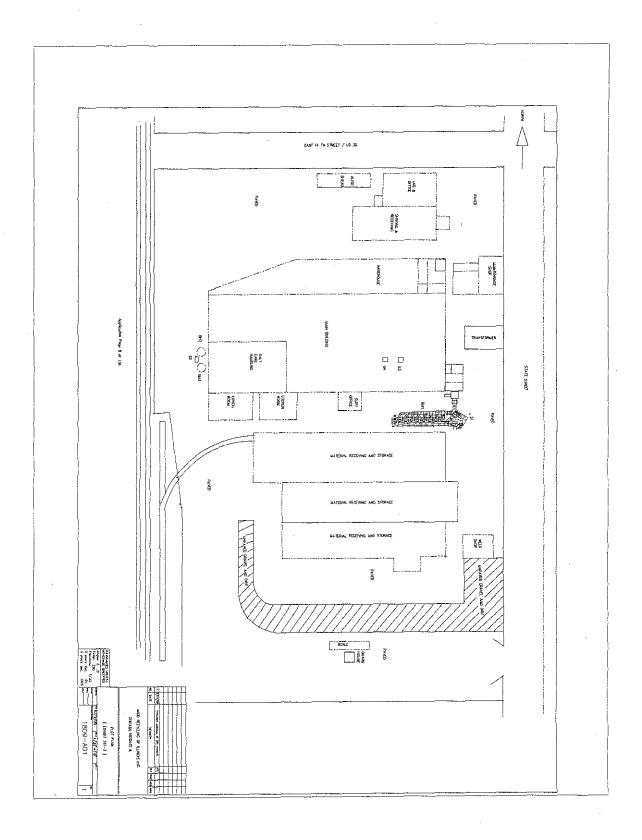
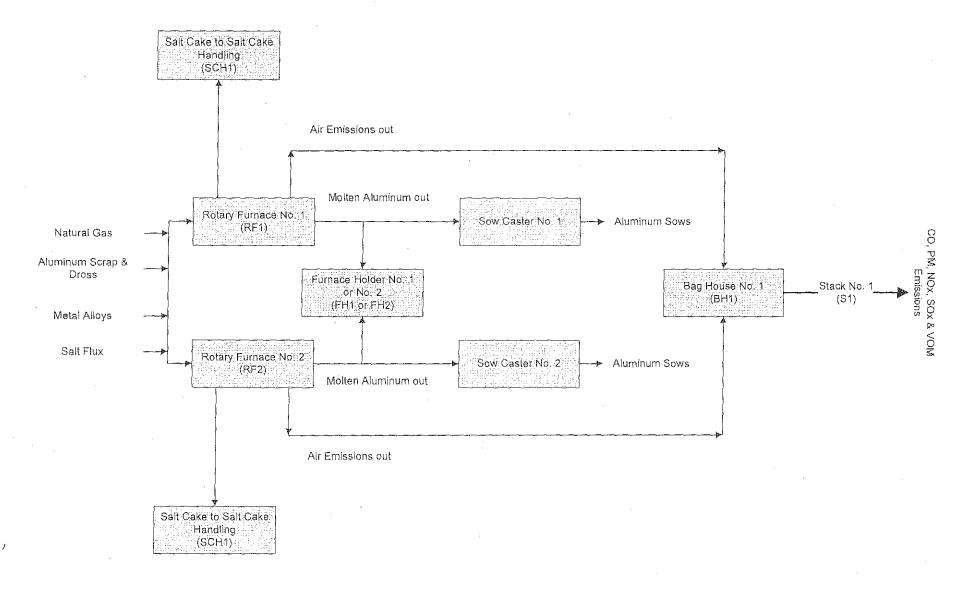


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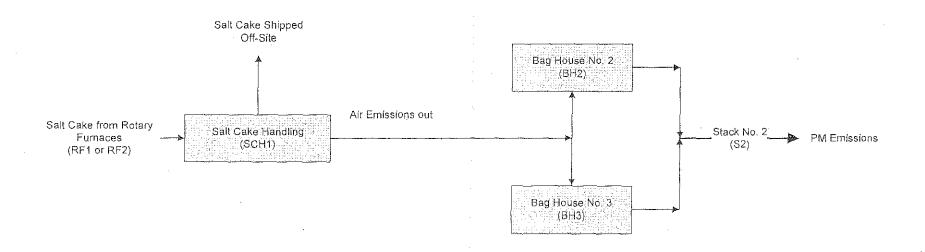


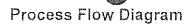
Process Flow Diagram Aluminum Recycling



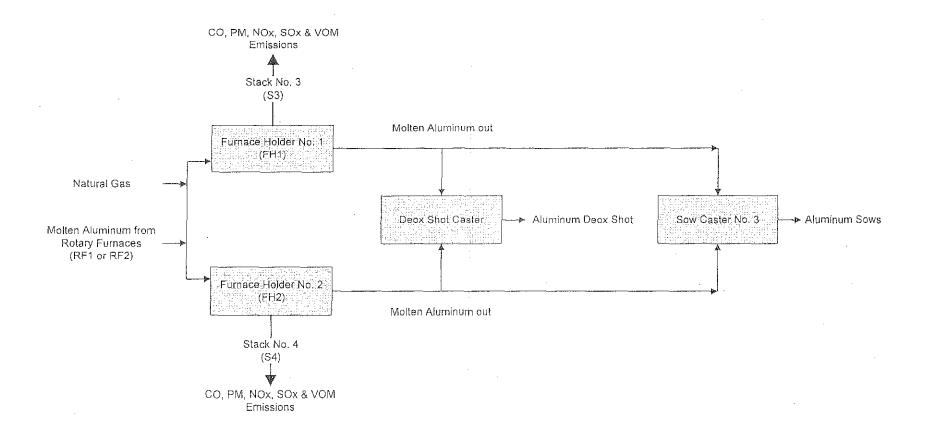
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Process Flow Diagram Salt Cake Handling





Deox Shot Casting



11/20/09

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Aluminum Recycling Process

Process Equipment

The Aluminum Recycling Process is comprised of a rotary furnace operation, a casting operation, and a molten transfer operation.

Equipment associated with the rotary furnace operation includes:

- Rotary Furnace No. 1 manufactured by H & H Sheet Metal (15,000 lb. molten aluminum capacity, direct natural gas fired with a 10,000,000 BtU/hr burner manufactured by North American, Inc.),
- Rotary Furnace No. 2 manufactured by H & H Sheet Metal (15,000 lb. molten aluminum capacity, direct natural gas fired with a 10,000,000 BtU/hr burner manufactured by North American, Inc.),
- Charge Hoppers (one on each furnace @ 15,000 lb. solid charge capacity each), and
- Bag House No. 1 (shaker style, lime injected)

Equipment associated with the casting operation includes:

- Molten metal launders, and
- Metal sow molds.

Equipment associated with the molten transfer operation includes:

Molten metal launders

Narrative

Aluminum scrap and/or dross, and metal alloys are brought into the Furnace Room and placed in the Staging Bin until ready for use. When ready for use, the aluminum scrap and/or dross, and metal alloys are moved from the Staging Bin and batch charged to Rotary Furnace No. 1 or No. 2 by initially weighing the material and placing it into one of the two Charge Hoppers, along with weighed solid salt flux. One Charge Hopper is dedicated to each furnace.

The filled hopper is then rolled to the pre-heated Rotary Furnace and the solid charge is mechanically transferred to the furnace. The charged Rotary Furnace is heated intermittently with a 10,000,000 BtU/hr natural gas fired burner to sufficiently heat the furnace to melt the charge and keep it molten. All the while, the Furnace is rotated to mix the charge and distribute the heat. Additional aluminum scrap, dross, metal alloys and/or flux may be added to the furnace during the batch cycle using one of the dedicated Charge Hoppers. The salt flux coats the molten aluminum and prevents excess oxidation. The flux also helps to remove impurities in the molten aluminum, such as magnesium.

Aluminum Recycling Process

Both furnaces can be charged and operated at the same time.

The Rotary Furnaces are enclosed in individual vestibules that vent air emissions to duct-work that lead to a single lime-injected Bag House. This Bag House is operated continuously when charge material is in either furnace. When a bag house bag is full of lime and particulates, it is replaced by an empty bag. The removed bags are sealed and moved to a designated area until shipped off-site for disposal.

At the end of a batch cycle, the molten aluminum is poured from the front of the furnace by controlling its tilt angle. The molten aluminum is poured into metal launders that transfer the metal to either metal sow casts or to Furnace Holder No. 1 or No. 2. A flow coating material may be used to coat the launders that transfer the molten aluminum. Aluminum retained in the launders is periodically removed and placed back in either Rotary Furnace for remelting and reuse.

Metal sow casts are pre-coated with a material to prevent the aluminum from sticking to the cast. When the molten aluminum in a cast has sufficiently cooled, the casting is turned over to dislodge the solid aluminum sow from the cast. The sows are then stored in a dedicated area until shipped off-site.

After the molten aluminum is poured, the hot salt flux with residual aluminum and metal impurities, is emptied from the furnace into "mud pans". These filled pans are transferred to the Salt Cake Handling area and emptied.

The Rotary Furnaces must be occasionally hot cleaned by adding salt flux only to the preheated furnaces. The furnaces are heated intermittently with the 10,000,000 BtU/hr natural gas fired burners to sufficiently melt any residual aluminum adhering to the furnace. At the end of the cleaning process, the hot salt flux with residual aluminum and metal impurities is emptied into "mud" pans. The pans are taken to the Salt Cake Handling area and emptied.

Deox Shot Casting Process

Process Equipment

The Deox Shot Casting Process is comprised of a furnace holder operation, a deox shot caster operation and a casting operation.

Equipment associated with the furnace holder operation includes:

- Furnace Holder No. 1 (17,500 lb. molten aluminum capacity and 5 mmBtU/hr natural gas burner capacity, manufactured by Lindbergh),
- Furnace Holder No. 2 (17,500 lb. molten aluminum capacity and 5 mmBtU/hr natural gas burner capacity, manufactured by Lindbergh), and
- Molten metal launders

Equipment associated with the deox shot caster operation include:

• Deox Shot Caster (manufactured by Ingotech), with caster trays, take-away conveyor, trommel screen and cooling system.

Equipment associated with the casting operation includes:

Metal sow molds.

Narrative

Molten aluminum metal from Rotary Furnace No.1 or No. 2 is fed via launders to Furnace Holder No. 1 or No. 2.

A flow coating material may be used to coat the launders (i.e., troughs) that transfer the molten aluminum. Aluminum retained in the launders is periodically removed and placed back in either Rotary Furnace for remelting and reuse.

The tilting Furnace Holders No. 1 or No. 2 use heat from the combustion of natural gas to maintain the aluminum in the molten state until further processing can be achieved (i.e., until the metal can be transferred to the Deox Shot Caster operation or Casting operation). Clean solid aluminum or metal alloys (no powder) may be added to the molten aluminum in either holder to ensure proper alloying. No flux is added to the Furnace Holders.

Each furnace holder has a dedicated, uncontrolled stack that vents to the atmosphere. Only products of natural gas combustion are released through these stacks.

Periodically the top of the molten aluminum in either Furnace Holder may be skimmed to remove aluminum oxide or contaminate buildup (through carryover from the rotary

Deox Shot Casting Process

furnaces). Skimmed material is placed in containers until cool. The cooled material is then placed back in either Rotary Furnace for remelting and reuse.

The Furnace Holders must be occasionally hot cleaned by mechanically scrapping the furnace sides. Material taken from the holders during cleaning is placed in either Rotary Furnace for remelting and reuse.

Molten metal can be fed from either of the Furnace Holders via launders to the Deox Shot Caster operation and/or to the Casting operation. Maximum hourly throughput rate to either operation is 3 tons. Aluminum retained in the launders from the Furnace Holders is removed and placed back in either Rotary Furnace for remelting and reuse.

The Deox Shot Caster operation receives the molten aluminum and immediately converts and cools it to solid aluminum shot (i.e., pellets). The diameter of the shot is controllable by the Deox Caster. The shot is screened at the Deox Caster for proper size and accumulated at the caster in containers until full. These containers are then transferred to a holding area inside the plant building until ready for shipment to a customer. Offspecification shot or any other aluminum waste generated at the Deox Caster is returned to either Rotary Furnace for remelting and reuse.

The Deox Shot Caster operation has no appreciable air emissions and no air emission stacks are associated with the process.

Molten aluminum not transferred to the Deox Shot Caster is transferred to the Casting operation via launders.

The Casting operation has no appreciable air emissions and no air emission stacks are associated with the process.

Salt Cake Handling Process

Process Equipment

- Mobile vehicle with jack hammer and/or bucket.
- Bag House No. 2 & 3 (pulse jet style)

Narrative

Hot "mud pans" from the Aluminum Recycling process are transferred to the Salt Cake Handling area and their contents dumped into piles. These Salt Cake piles are then allowed to cool.

Clumps of solid aluminum in the cooled Salt Cake are mechanically removed using a jack hammer and/or bucket on a mobile vehicle. This aluminum is placed back in either Rotary Furnace for remelting and reuse.

The remaining Salt Cake is transferred to semi-trailers for transport off-site.

List of Emission Units and Pollution Control Equipment IMCO Recycling of Illinois, Inc.

Emission Unit or Pollution Control	Process	Designation
Rotary Furnace No. 1	Aluminum Recycling	RF1
Rotary Furnace No. 2	Aluminum Recycling	RF2
Bag House No. 1	Aluminum Recycling	BH1
Furnace Holder No. 1	Deox Shot Casting	FH1
Furnace Holder No. 2	Deox Shot Casting	FH2
Salt Cake Handling	Salt Cake Handling	SCH1
Bag House No. 2	Salt Cake Handling	BH2
Bag House No. 3	Salt Cake Handling	BH3



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLIC.	ANT'	S USE
Revision #:			
Date:	/ _		/
Page		of	
Source Desi	ignati	on:	
Í			

LISTING OF INSIGNIFICANT	FOR AGENCYUSE ONLY ID NUMBER:
ACTIVITIES	PERMIT #:
	DATE:
THE FORMALIST OF COMPLETED FOR ALL ACTIVITIES THAT AR	E "INSIGNIFICANT" ACCORDING TO 35 ILL, ADM, CODE, SECTION 201.21

THIS FORM MUST BE COMPLETED FOR ALL ACTIVITIES THAT ARE "INSIGNIFICANT" ACCORDING TO 35 ILL. ADM. CODE, SECTION 201.210 AND 201.211 FOR WHICH DETAILED DATA AND INFORMATION, AS REQUESTED IN OTHER FORMS, IS NOT PROVIDED.

SOURCE INFORMATION				
1) SOURCE NAME:				
IMCO Recycling of Illinois, Inc.				
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE			

INSIGNIFICANT ACTIVITIES

4) ARE ANY ONE OR ALL OF THE FOLLOWING ACTIVITIES, AS IDENTIFIED IN 35 ILL. ADM. CODE 201.210(b), PRESENT AT THE SOURCE? CHECK THE APPROPRIATE BOX.

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J NO

ACTIVITIES IN 35 ILL. ADM. CODE 201.210(b):

- AIR CONDITIONING OR VENTILATING EQUIPMENT NOT DESIGNED TO REMOVE AIR CONTAMINANTS GENERATED BY OR RELEASED FROM ASSOCIATED EQUIPMENT;
- ii) PHOTOGRAPHIC PROCESS EQUIPMENT BY WHICH AN IMAGE IS REPRODUCED UPON MATERIAL SENSITIZED TO RADIANT ENERGY;
- iii) EQUIPMENT USED FOR HYDRAULIC OR HYDROSTATIC TESTING;
- iv) GENERAL VEHICLE MAINTENANCE AND SERVICING ACTIVITIES AT THE SOURCE, OTHER THAN GASOLINE FUEL HANDLING;
- v) CAFETERIAS, KITCHENS AND OTHER FACILITIES USED FOR PREPARING FOOD OR BEVERAGES PRIMARILY FOR CONSUMPTION AT THE SOURCE;
- vi) EQUIPMENT USING A WATER, WATER AND SOAP OR DETERGENT, OR A SUSPENSION OF ABRASIVES IN WATER FOR PURPOSES OF CLEANING OR FINISHING PROVIDED NO ORGANIC SOLVENT HAS BEEN ADDED TO THE WATER:
- vii) ADMINISTRATIVE ACTIVITIES INCLUDING, BUT NOT LIMITED TO, PAPER SHREDDING, COPYING, PHOTOGRAPHIC ACTIVITIES, AND BLUEPRINTING MACHINES. THIS DOES NOT INCLUDE INCINERATORS;
- viii) LAUNDRY DRYERS, EXTRACTORS, AND TUMBLERS PROCESSING CLOTHING, BEDDING, AND OTHER FABRIC ITEMS USED AT THE SOURCE THAT HAVE BEEN CLEANED WITH WATER SOLUTIONS OF BLEACH OR DETERGENTS PROVIDED THAT ANY ORGANIC SOLVENT PRESENT IN SUCH ITEMS BEFORE PROCESSING THAT IS RETAINED FROM CLEAN-UP OPERATIONS SHALL BE ADDRESSED AS PART OF THE VOM EMISSIONS FROM USE OF CLEANING MATERIALS;

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE 18/136

FOR APPLICANT'S USE

INSIGNIFICANT ACTIVITIES (continued)

- ix) HOUSEKEEPING ACTIVITIES FOR CLEANING PURPOSES, INCLUDING COLLECTING SPILLED AND ACCUMULATED MATERIALS AT THE SOURCE, INCLUDING OPERATION OF FIXED VACUUM CLEANING SYSTEMS SPECIFICALLY FOR SUCH PURPOSES, BUT NOT INCLUDING USE OF CLEANING MATERIALS THAT CONTAIN ORGANIC SOLVENT;
- X) REFRIGERATION SYSTEMS, INCLUDING STORAGE TANKS USED IN REFRIGERATION SYSTEMS, BUT EXCLUDING ANY COMBUSTION EQUIPMENT ASSOCIATED WITH SUCH SYSTEMS;
- xi) BENCH SCALE LABORATORY EQUIPMENT AND LABORATORY EQUIPMENT USED EXCLUSIVELY FOR CHEMICAL AND PHYSICAL ANALYSIS, INCLUDING ASSOCIATED LABORATORY FUME HOODS, VACUUM PRODUCING DEVICES AND CONTROL DEVICES INSTALLED PRIMARILY TO ADDRESS POTENTIAL ACCIDENTAL RELEASES;
- xii) REST ROOM FACILITIES AND ASSOCIATED CLEANUP OPERATIONS, AND STACKS OR VENTS USED TO PREVENT THE ESCAPE OF SEWER GASES THROUGH PLUMBING TRAPS;
- XIII) ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION, ON-SITE REPAIR, MAINTENANCE OR DISMANTLEMENT OF BUILDINGS, UTILITY LINES, PIPELINES, WELLS, EXCAVATIONS, EARTHWORKS AND OTHER STRUCTURES THAT DO NOT CONSTITUTE EMISSION UNITS;
- xiv) STORAGE TANKS OF ORGANIC LIQUIDS WITH A CAPACITY OF LESS THAN 500 GALLONS, PROVIDED THE TANK IS NOT USED FOR STORAGE OF ANY MATERIAL LISTED AS A HAZARDOUS AIR POLLUTANT PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;
- xv) PIPING AND STORAGE SYSTEMS FOR NATURAL GAS, PROPANE, AND LIQUEFIED PETROLEUM GAS;
- xvi) WATER TREATMENT OR STORAGE SYSTEMS AS FOLLOWS: (A) SYSTEMS FOR POTABLE WATER OR BOILER FEEDWATER, (B) SYSTEMS, INCLUDING COOLING TOWERS, FOR PROCESS WATER PROVIDED THAT SUCH WATER HAS NOT BEEN IN DIRECT OR INDIRECT CONTACT WITH PROCESS STREAMS THAT CONTAIN VOLATILE ORGANIC MATERIAL OR MATERIALS LISTED AS HAZARDOUS AIR POLLUTANTS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT:
- xvii) LAWN CARE, LANDSCAPE MAINTENANCE, AND GROUNDSKEEPING ACTIVITIES;
- xviii) CONTAINERS, RESERVOIRS, OR TANKS USED EXCLUSIVELY IN DIPPING OPERATIONS TO COAT OBJECTS WITH OILS, WAXES, OR GREASES, PROVIDED NO ORGANIC SOLVENT HAS BEEN MIXED WITH SUCH MATERIALS;
- XIX) COLD CLEANING DEGREASERS THAT ARE NOT IN-LINE CLEANING MACHINES, WHERE THE VAPOR PRESSURE OF THE SOLVENTS USED NEVER EXCEED 2kPa MEASURED AT 38C OR 0.7kPa AT 20C;
- MANUALLY OPERATED EQUIPMENT USED FOR BUFFING, POLISHING, CARVING, CUTTING, DRILLING, MACHINING, ROUTING, SANDING, SAWING, SCARFING, SURFACE GRINDING, OR TURNING;
- xxi) USE OF CONSUMER PRODUCTS, INCLUDING HAZARDOUS SUBSTANCES AS THAT TERM IS DEFINED IN THE FEDERAL HAZARDOUS SUBSTANCES ACT, WHERE THE PRODUCT IS USED AT A SOURCE IN THE SAME MANNER AS NORMAL CONSUMER USE;
- xxii) ACTIVITIES DIRECTLY USED IN THE DIAGNOSIS AND TREATMENT OF DISEASE, INJURY OR OTHER MEDICAL CONDITION:
- xxiii) FIREFIGHTING ACTIVITIES AND TRAINING IN PREPARATION FOR FIGHTING FIRES CONDUCTED AT THE SOURCE;
- xxiv) INTERNAL COMBUSTION ENGINE OR BOILER (INCLUDING THE FUEL SYSTEM) OF MOTOR VEHICLES, LOCOMOTIVES, AIR CRAFT, WATERCRAFT, LIFTTRUCKS, AND OTHER VEHICLES POWERED BY NONROAD ENGINES;
- xxv) ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION, REPAIR OR MAINTENANCE OF ROADS OR OTHER PAVED OR OPEN AREAS, INCLUDING OPERATION OF STREET SWEEPERS, VACUUM TRUCKS, SPRAY TRUCKS, AND OTHER VEHICLES RELATED TO THE CONTROL OF FUGITIVE EMISSIONS OF SUCH ROADS OR OTHER AREAS;
- xxvi) STORAGE AND HANDLING OF DRUMS OR OTHER TRANSPORTABLE CONTAINERS WHERE THE CONTAINERS ARE SEALED DURING STORAGE AND HANDLING;

<u></u>	INSIGNIFICANT ACTIVITIES (continued)			
xxvii) INDIVIDUAL POINTS OF EMISSION OR ACTIVITIES AS FOLLOWS: (A) INDIVIDUAL FLANGES, VALVES, PUMP SEALS, PRESSURE RELIEF VALVES AND OTHER INDIVIDUAL COMPONENTS THAT HAVE THE POTENTIAL FOR LEAKS, (B) INDIVIDUAL SAMPLING POINTS, ANALYZERS, AND PROCESS INSTRUMENTATION, WHOSE OPERATION MAY RESULT IN EMISSIONS, (C) INDIVIDUAL FEATURES OF AN EMISSION UNIT SUCH AS EACH BURNER AND SOOTBLOWERS IN A BOILER OR EACH USE OF CLEANING MATERIALS ON A COATING OR PRINTING LINE, (D) INDIVIDUAL EQUIPMENT THAT IS TRANSPORTABLE OR ACTIVITIES WITHIN A FACILITY ESTABLISHED FOR TESTING UNITS PRIOR TO SALE OR DISTRIBUTION OR FOR PURPOSES OF RESEARCH, AND (E) INDIVIDUAL EQUIPMENT OR ACTIVITIES WITHIN A PILOT PLANT FACILITY THAT IS USED FOR RESEARCH OR TRAINING;				
xxvi	i) ACTIVITIES AT A SOURCE ASSOCIATED WITH THE MODIFICATION ONLY OR CONSTRU FACILITY, AN EMISSION UNIT OR OTHER EQUIPMENT AT THE SOURCE;	CTION ONLY	OFA	
xxix	ACTIVITIES AT A SOURCE ASSOCIATED WITH THE MAINTENANCE, REPAIR, OR DISMAI EMISSION UNIT OR OTHER EQUIPMENT INSTALLED AT THE SOURCE, NOT INCLUDING UNIT OR EQUIPMENT, INCLUDING PREPARATION FOR MAINTENANCE, REPAIR OR DISIPREPARATION FOR SUBSEQUENT STARTUP, INCLUDING PREPARATION OF A SHUTDOR REPLACEMENT OF INSULATION, WELDING AND CUTTING, AND STEAM PURGING OF A STARTUP.	THE SHUTDO MANTLEMENT DWN VESSEL	WN OF THE , AND FOR ENTRY,	
IF T	RE ANY EMISSION UNITS AT THE SOURCE CONSIDERED INSIGNIFICANT ACTIVITIES BE NDER ONE OF THE ACTIVITIES OR EMISSION LEVELS LISTED IN 35 ILL. ADM. CODE 201 YES, IDENTIFY THE EMISSION UNITS IN THE "LIST OF INSIGNIFICANT ACTIVITIES PURS HROUGH (18)" AND PROVIDE THE REQUESTED INFORMATION. IF ADDITIONAL SPACE I ABEL AS EXHIBIT 297-1.	.210(a)(1) THR SUANT TO 201	OUGH (18)? _210(a)(1)	
AC.	TIVITIES AND EMISSION LEVELS IN 35 ILL. ADM. CODE 201.210(a)			
ī)	ANY EMISSION UNIT DETERMINED TO BE AN INSIGNIFICANT ACTIVITY BY THE AGENCY PURSUANT TO 35 ILL. ADM. CODE 201.211 (SEE ITEM #6);	YES	🛇 ио	
ii)	EMISSION UNITS WITH EMISSIONS THAT NEVER EXCEED 0.1 LBS/HR OF ANY REGULATED AIR POLLUTANT IN THE ABSENCE OF AIR POLLUTION CONTROL EQUIPMENT AND THAT DO NOT EMIT ANY AIR POLLUTANT LISTED AS HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;	YES	⊠ NO	
ที่ไ)	EMISSION UNITS WITH EMISSIONS THAT NEVER EXCEED 0.44 TONS/YR OF ANY REGULATED AIR POLLUTANT IN THE ABSENCE OF AIR POLLUTION CONTROL EQUIPMENT AND THAT DO NOT EMIT ANY AIR POLLUTANT LISTED AS HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;	X YES	O NO	
	DIRECT COMBUSTION UNITS DESIGNED AND USED FOR COMFORT HEATING PURPOSES AND FUEL COMBUSTION EMISSION UNITS AS FOLLOWS: (A) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 2.5 MMBTU/HR THAT FIRE ONLY NATURAL GAS, PROPANE OR LIQUEFIED PETROLEUM GAS, (B) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 1.0 MMBTU/HR THAT FIRE ONLY OIL OR OIL IN COMBINATION WITH NATURAL GAS, PROPANE OR LIQUEFIED PETROLEUM GAS, AND (C) UNITS WITH A RATED HEAT INPUT CAPACITY OF LESS THAN 200,000 BTU/HR WHICH NEVER BURN REFUSE, OR TREATED OR CHEMICALLY CONTAMINATED WOOD;	⊠ YES	□ NO	
V)	EXTRUDERS USED FOR THE EXTRUSION OF METALS, MINERALS, PLASTICS, RUBBER, OR WOOD, EXCLUDING EXTRUDERS USED IN THE MANUFACTURE OF POLYMERS, PROVIDED THAT VOLATILE ORGANIC MATERIALS OR CLASS I OR II SUBSTANCES SUBJECT TO THE REQUIREMENTS OF TITLE VI OF THE CLEAN AIR ACT ARE NOT USED AS FOAMING AGENTS OR RELEASE AGENTS OR WERE NOT USED AS FOAMING AGENTS IN THE CASE OF EXTRUDERS PROCESSING SCRAP MATERIAL;	YES	⊗ NO	
vī)	FURNACES USED FOR MELTING METALS OTHER THAN BERYLLIUM WITH A BRIM FULL CAPACITY OF LESS THAN 450 CUBIC INCHES BY VOLUME;	X YES	O NO	
vii)	EQUIPMENT USED FOR THE MELTING OR APPLICATION OF LESS THAN 50,000 LBS/YR OF WAX TO WHICH NO ORGANIC SOI VENT HAS BEEN ADDED:	YES	⊗ NO	

	INSIGNIFICANT ACTIVITIES (continued)		
viii)	EQUIPMENT USED FOR FILLING DRUMS, PAILS OR OTHER PACKAGING CONTAINERS, EXCLUDING AEROSOL CANS, WITH SOAPS, DETERGENTS, SURFACTANTS, LUBRICATING OILS, WAXES, VEGETABLE OILS, GREASES, ANIMAL FATS, GLYCERIN, SWEETENERS, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS;	YES	⊠ NO
ix)	EQUIPMENT USED FOR THE MIXING AND BLENDING OF MATERIALS AT AMBIENT TEMPERATURE TO MAKE WATER BASED ADHESIVES PROVIDED EACH MATERIAL CONTAINS LESS THAN 5% ORGANIC SOLVENT BY WEIGHT;	YES	Ø NO
x)	STORAGE TANKS OF ORGANIC LIQUIDS WITH A CAPACITY OF LESS THAN 10,000 GALLONS AND AN ANNUAL THROUGHPUT OF LESS THAN 100,000 GALLONS PROVIDED THE TANK IS NOT USED FOR THE STORAGE OF GASOLINE OR ANY LISTED HAZARDOUS AIR POLLUTANT PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT;	⊠ yes	Оио
xi)	STORAGE TANKS OF VIRGIN OR REREFINED DISTILLATE OIL, HYDROCARBON CONDENSATE FROM NATURAL GAS PIPELINE OR STORAGE SYSTEMS, LUBRICATING OIL, OR RESIDUAL FUEL OILS;	YES	Ø NO
xii)	DIE CASTING MACHINES WHERE A METAL OR PLASTIC IS FORMED UNDER PRESSURE IN A DIE;	YES	⊠ №
xiii)	COATING OPERATIONS (EXCLUDING POWDER, ARCHITECTURAL AND INDUSTRIAL MAINTENANCE COATING) WITH AGGREGATE VOM USAGE THAT NEVER EXCEEDS 15 LBS/DAY FROM ALL COATING LINES AT THE SOURCE, INCLUDING VOM FROM COATING, DILUTENTS, AND CLEANING MATERIALS;	YES	Ø NO
xiv)	PRINTING OPERATIONS WITH AGGREGATE ORGANIC SOLVENT USAGE THAT NEVER EXCEEDS 750 GALLONS PER YEAR FROM ALL PRINTING LINES AT THE SOURCE, INCLUDING ORGANIC SOLVENT FROM INKS, DILUTENTS, FOUNTAIN SOLUTIONS, AND CLEANING MATERIALS;	YES	⊠ NO
xv)	GAS TURBINES AND STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES OF LESS THAN 112 KW (150 HORSEPOWER) POWER OUTPUT;	YES	⊠ мо
xvi)	GAS TURBINES AND STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES OF BETWEEN 112 KW AND 1,1118 KW (150 AND 1,500 HORSEPOWER) POWER OUTPUT THAT ARE EMERGENCY OR STANDBY UNITS;	YES	Ø NO
xvii)	STORAGE TANKS OF ANY SIZE CONTAINING EXCLUSIVELY SOAPS, DETERGENTS, SURFACTANTS, GLYCERIN, WAXES, VEGETABLE OILS, GREASES, ANIMAL FATS, SWEETENERS, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS PROVIDED AN ORGANIC SOLVENT HAS NOT BEEN MIXED WITH SUCH MATERIALS;	YES	⊗ ио
xviii	LOADING AND UNLOADING SYSTEMS FOR RAILCARS, TANK TRUCKS, OR WATERCRAFT THAT HANDLE ONLY THE FOLLOWING LIQUID MATERIALS PROVIDED AN ORGANIC SOLVENT HAS NOT BEEN MIXED WITH SUCH MATERIALS: SOAPS, DETERGENTS, SURFACTANTS, LUBRICATING OILS, WAXES, GLYCERIN, VEGETABLE OILS, GREASES, ANIMAL FATS, SWEETENER, CORN SYRUP, AQUEOUS SALT SOLUTIONS, OR AQUEOUS CAUSTIC SOLUTIONS.	YES	⊗ NO
!! 2 V 2	RE ANY EMISSION UNITS AT THE SOURCE PROPOSED TO BE CONSIDERED NSIGNIFICANT ACTIVITIES THAT MEET THE CRITERIA LISTED IN 35 ILL. ADM. CODE 101.211(a)? IF YES, LIST THE EMISSION UNITS IN THE "LIST OF ACTIVITIES FOR WHICH STATUS AS AN INSIGNIFICANT ACTIVITIES IS PROPOSED PURSUANT TO 01.211(a)" AND PROVIDE THE REQUESTED INFORMATION. IF ADDITIONAL SPACE IS IEEDED, ATTACH AND LABEL AS EXHIBIT 297-2.	YES	⊗ №
CR	ITERIA IN 35 ILL. ADM. CODE 201.211(a)		
i) ii)	THE EMISSION UNIT WOULD NOT EMIT MORE THAN 1.0 LBS/HR OF ANY REGULATED AIR POLLUTA! HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT IN THE ABSENCE OF AIR POLL EQUIPMENT; THE EMISSION UNIT WOULD NOT EMIT MORE THA N.O.1 LB/HR OF ANY REGULATED AIR POLLUTA PURSUANT TO SECTION 112 (b) OF THE CLEAN AIR ACT IN THE ABSENCE OF AIR POLLUTION CONT	LUTION CONTROL NT LISTED AS HA	ZARDOUS
(II) 22 V 22 N CRI	NSIGNIFICANT ACTIVITIES THAT MEET THE CRITERIA LISTED IN 35 ILL. ADM. CODE 01.211(a)? IF YES, LIST THE EMISSION UNITS IN THE "LIST OF ACTIVITIES FOR WHICH STATUS AS AN INSIGNIFICANT ACTIVITIES IS PROPOSED PURSUANT TO 01.211(a)" AND PROVIDE THE REQUESTED INFORMATION. IF ADDITIONAL SPACE IS IEEDED, ATTACH AND LABEL AS EXHIBIT 297-2. ITERIA IN 35 ILL. ADM. CODE 201.211(a) THE EMISSION UNIT WOULD NOT EMIT MORE THAN 1.0 LBS/HR OF ANY REGULATED AIR POLLUTA! HAZARDOUS PURSUANT TO SECTION 112(b) OF THE CLEAN AIR ACT IN THE ABSENCE OF AIR POLL FOULPMENT:	NT NOT LISTED A: LUTION CONTROL NT LISTED AS HA	S - ZARDOUS

LIST OF INSIGNIFICANT ACTIVITIES PURSUANT TO 201.210 (a)(1) THROUGH (18)

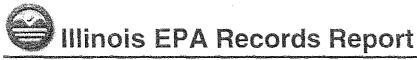
EMISSION UNIT AND DESIGNATION	# OF UNITS	DESCRIPTION OF UNIT INCLUDING ANY CONTROL	BASIS FOR INSIGNIFICANCE SECTION 201.210(a)	BASIS FOR DETERMINATION OF EMISSIONS
See Exhibit 297-1				
		4,000		

¹ F CONSIDERED INSIGNIFICANT BASED ON EMISSION LEVEL, THE DETERMINATION METHOD OF EMISSION MUST BE PROVIDED (E.G., 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)).

LIST OF ACTIVITIES FOR WHICH STATUS AS AN INSIGNIFICANT ACTIVITIES IS PROPOSED PURSUANT TO 201.211 (a)

			OPE	RATING HO	URS	EN	MISSIONS	1	23-23/3
EMICOLONIC	1		HRS PER DAY	DAY PER WEEK	WEEK PER YEAR	POLLUTANT	LB PER HOUR	TON PER YEAR	OTHER
EMISSION UNIT AND DESIGNATION	1,0	DESCRIPTION OF UNIT INCLUDING ANY CONTROL	² DISCUSS	ION.		³ DETERMINATI	ION METHO	D:	SUPPORTING INFORMATION
						<u>' </u>			
					·				1 · · · · · · · · · · · · · · · · · · ·
									1
				The state of the s					
									1 \$100 B
									· '.
									THE WATER OF THE STATE OF THE S
144									

¹IU - TOTAL NUMBER OF UNITS (EMISSION RATES SHOULD BE PROVIDED ON A PER UNIT BASIS).
2DISCUSSION - PROVIDE AN EXPLANATION OF OPERATING HOURS (E.G., THE UNIT IS ON EMERGENCY STANDBY - THEREFORE IT ONLY OPERATES ONE DAY PER MONTH.)
3DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).



Interest ID Number:

ACES Tie ID:

1.7000004428E+11

Site Name: Worlds Finest Chocolate Inc

Street Address: 4801 S Lawndale Ave

PO Box:

_ocation City: Chicago	Location State: IL	Location Zip Code: 60632-3062	huerte SSEAGON er meet unichde fall ook er voor van de het 180 eeu mannen van de het 180 eeu mannen van de het
BOA Imaged Documents		. В	OA Drawings
Paper File Records		BOL Microfilmed Records FileCategory Description Pages of Film O2 General Correspondence	
BOL Imaged Documents		LUST Incidents	
BOL Drawings		BOL Pho	otos
BOW Imaged	Documents	BOW Drawir	



Exhibit 297-1

IMCO Recycling of Illinois, Inc.

List of Insignificant Activities Pursuant to 201.210(a)(1) Through (18)

Emission Unit and	# of	Description of Unit Including Any	Basis For Insignificance	Basis for Determination
Design	Units	Control	Section 201.210(a)	of Emissions
Diesel Tank	1	2,000 gallon diesel tank	201.210(a)(10)	N/A
			Capacity < 10,000 gallons	
Assay Pot	1	Natural gas fired lab scale furnace pot	201.210(a)(6)	N/A
•			Capacity < 450 cubic inches	
Comfort Heater 1	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		25,000 BtU/hr, Plant Managers Office	Capacity < 2.5 MMBtU/hr	
Comfort Heater 2	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		200,000 BtU/hr, Sales Office	Capacity < 2.5 MMBtU/hr	
Comfort Heater 3	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		100,000 BtU/hr, Sales Office	Capacity < 2.5 MMBtU/hr	
Comfort Heater 4	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		140,000 BtU/hr, Locker Room	Capacity < 2.5 MMBtU/hr	
Comfort Heater 5	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		30,000 BtU/hr, Locker Room	Capacity < 2.5 MMBtU/hr	
Comfort Heater 6	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		140,000 BtU/hr, Main Lunch Room	Capacity < 2.5 MMBtU/hr	
Comfort Heater 7	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		30,000 BtU/hr, Furnace Room Lunch Room	Capacity < 2.5 MMBtU/hr	
Comfort Heater 8	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		200,000 BtU/hr, Tractor Shop	Capacity < 2.5 MMBtU/hr	
Comfort Heater 9	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		400,000 BtU/hr, Weld Shop	Capacity < 2.5 MMBtU/hr	
Comfort Heater 10	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
]	400,000 BtU/hr, Parts Room	Capacity < 2.5 MMBtU/hr	
Comfort Heater 11	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		30,000 BtU/hr, Maintenance Office	Capacity < 2.5 MMBtU/hr	
Comfort Heater 12	1	Natural gas fired comfort heater	201.210(a)(4)(A)	N/A
		20,000 BtU/hr, Guard Shack	Capacity < 2.5 MMBtU/hr	
Trough Heater	3	Natural gas fired heaters for molten aluminum	201.210(a)(3)	AP-42 emission factors and
. –		transfer troughs	Emissions < 0.44 tons per year of	burner capacity
		25,000 BtU/hr each	regulated pollutant	
Surge Bowl Heater	2	Natural gas fired heaters for molten aluminum	201.210(a)(3)	AP-42 emission factors and
_		surge bowls	Emissions < 0.44 tons per year of	burner capacity
ļ		100,000 BtU/hr each	regulated pollutant	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE		
Revision #:		
Date: / /		
Page of		
Source Designation:		

	FOR AGENCY USE ONLY			
FUEL COMBUSTION EMISSION UNIT	ID NUMBER:			
FUEL COMBUSTION EMISSION UNIT DATA AND INFORMATION	EMISSION POINT #:			
	DATE:			
	IFORMATION			
1) SOURCE NAME: IMCO Recycling of Illinois, Inc.				
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE			
GENERAL II	NFORMATION			
4) NAME OF EMISSION UNIT: Rotary Furnace No. 1				
5) NAME OF PROCESS:				
Aluminum Recycling				
6) DESCRIPTION OF PROCESS:				
·	ninum scrap and aluminum byproducts			
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	ACTIVITY ACCOMPLISHED:			
Molten aluminum and/or aluminum sows are prod	uced.			
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:				
RF1				
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):				
H & H Sheet Metal				
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN);			
N/A	N/A			
12) DATES OF COMMENCING CONSTRUCTION, OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	a) CONSTRUCTION (MONTH/YEAR):			
3. The Emboling Am (1873) 2 31. 2 miles,	b) OPERATION (MONTH/YEAR):			
	A TEST HODDER AT ON A CART LAKE A D			
	c) LATEST MODIFICATION (MONTH/YEAR):			
12) DESCRIPTION OF MODIFICATION (IF ADDITIONS)	5/2006			
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):				
Replaced furnace barrel				

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

APPLICATION PAGE

FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HAVE MO	RE THAN ONE MODI	OF O	PERATION?	(YES	ON K
IF YES, EXPLAIN AND IDENTIFY WHIC A SEPARATE PROCESS EMISSION UI FOR EACH MODE):						
Rotary furnace is 15,000 lb. maxim	ium capacity, dire	ct nat	ural gas fire	d with a 10	,000,00	00 BtU/hr
burner.						
)
15) PROVIDE THE NAME AND DESIGNAT						
EMISSION UNIT, IF APPLICABLE (FOF MUST BE COMPLETED FOR EACH ITI					DDEND	DUM FORM
8 Cell, Lime-Injected Shaker Bagh	ouse, Model No.	288-5	530-171-5.			į
16) WILL EMISSIONS DURING STARTUP RATE PURSUANT TO A SPECIFIC RU ESTABLISHED BY AN EXISTING OR F	LE, OR THE ALLOW	ABLE E	MISSION LIM) YE	s 🛛 no
IF YES, COMPLETE AND ATTACH FO EXCESS EMISSIONS DURING START			TO OPERAT	E WITH		Angele Park
17) PROVIDE ANY LIMITATIONS ON SOU STANDARDS (E.G., ONLY ONE UNIT I			NG EMISSION	IS OR ANY W	ORK PI	RACTICE
See Construction Permit No. 07110)033. issued June	26. 2	008 and cu	rent 40 CF	R. Sub	part RRR
required Operation, Maintenance a					,	
	OPERATING IN	IFOR	MATION			
18) ATTACH THE CALCULATIONS, TO THE FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240.	TON, MATERIAL USA	GE IN	FORMATION	AND FUEL U	SAGE D	
19a) MAXIMUM OPERATING HOURS	HOURS/DAY:		DAYS/WEE	<:	WEEK	(S/YEAR:
	24		7		52	
b) TYPICAL OPERATING HOURS	HOURS/DAY:		DAYS/WEE	ζ:	WEEK	(S/YEAR:
	24		7		51	
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR	-MAY(%):	JUN-AUG(°	/o):	SEP-NOV(%):
	25	25		25		25
				·····		
	FIRING RATE I					
21a) RATED OR DESIGN HEAT INPUT CA	APACITY (MILLION B	TU/HR): 10.0			
LANG MODE THAN ONE CHEL CIDED A	TA THEO				<u> </u>	
b) IS MORE THAN ONE FUEL FIRED A	JAJINE!			t ·) YES	ON (K)
IF YES, EXPLAIN:						
						•

THE BURNER IS LOCAT	TY IS 100 MILLION BTU/HO ME IS DEFINED AS THAT V ED, THE FURNACE SIDE V T ROW OF CONVECTION	VOLUME BOUND WATERWALL, AN	ED BY THE FRO	NT FURNACE \	WALL WHERE
N/A					
		NATURAL GAS	FUEL OIL	COAL	OTHÉR
d) SINGLE FUEL (MAXIMUI MILLION BTU/HOUR)	VI -	10	N/A	N/A	N/A
e) SINGLE FUEL (TYPICAL MILLION BTU/HOUR)		10	N/A	N/A	N/A
f) COMBINED FUEL (TYPIC MILLION BTU/HOUR) (IF		N/A	N/A	N/A	N/A
	NATUR	RAL GAS FIRII	VG		
22a) CURRENT ORIGIN OF NATURAL GAS:	X PIPELINE (FIRM CC	ONTRACT)	O BY-PF	RODUCT, SPEC	CIFY ORIGIN:
	PIPELINE (INTERRECONTRACT)	UPTIBLE SUPPĻY	/ O отне	R, - SPECIFY:	
b) TYPICAL HEAT CONTEN 1,020	IT (BTU/SCF):				
c) MAXIMUM CONSUMPTION	SCF/MONTH: 7,295,000		SCF/YEAR 85,890		
d) TYPICAL CONSUMPTION	SCF/MONTH: 7,295,000		SCF/YEAR 84,238		
		OIL FIRING			
23a) OIL TYPE (CHECK ONE		JIL FIRING			
	NO. 1	NO. 2	O NO. 4	O NO. 5	○ NO. 6
	OTHER	R, SPECIFY (INCL	UDE GENERATO	OR OR SUPPLI	ER):
b) TYPICAL HEAT CONTEN	VT:		USED ONLY AS A	A O YE	s O NO
O btu/lb - or - (
d) TYPICAL SULFUR CONT	ENT AS FIRED (WT %):	e) TYPICA	AL ASH CONTEN	IT AS FIRED (W	Л %):
f) MAXIMUM CONSUMPTION	GAL/MONTH:	1	GALYI	EAR:	
g) TYPICAL CONSUMPTION	GAL/MONTH:	# 18 MIL 20	GAL/Y	EAR:	
h) FIRING DIRECTION:	O HORIZONTAL	O TANGEN	TIAL O	THER, SPECIF	Y:

*24a) SOLID FUEL TYPE			
(CHECK ALL THAT APPLY):	SUB-BITUMINOUS COAL	LIGNITE	COAL D BITUMINOUS COAL
 -	ANTHRACITE COAL	OTHER, S	SPECIFY:
b) TYPICAL HEAT CONTENT	AS FIRED (BTU/LB):	c) TYPICAL MOIS	TURE CONTENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTE	NT AS FIRED (WT %):	e) TYPICAL ASH (CONTENT AS FIRED (WT %):
f) TYPICAL FINES CONTENT	(% LESS THAN 1/8 INCH):	g) IS THE COAL CLEANED?	O YES NO
h) HOW MUCH COAL REFUS	E IS IN THE FUEL? (WT %):		
i) MAXIMUM CONSUMPTION	TON/MONTH:		TON/YEAR:
j) TYPICAL CONSUMPTION	TON/MONTH:		TONYEAR:
k) FIRING TYPE (CHECK ONE):	TRAVELING GRATE	E O SPF	READER STOKER % REINJECTION:
	CACFONE		LVERIZED, TYPE (CIRCLE ONE): JET BOTTOM DRY BOTTOM
	HORIZONTALLY OPPOSED	О отн	HER, SPECIFY:
SPECIFICATIONS OF THE FUI	EL AND THE DURATION OF THE PORTIONS OF ALL FUEL CO	IE CONTRACT. IF NTRACTS AND ST	PLY CONTRACTS WHICH SET FORTH THE THE ACTUAL FUEL FIRED IS A BLEND OF ATE THE MANNER BY WHICH THE FUELS 2.
	OTHER FL	IEL FIRING	
25a) OTHER FUEL FIRING a)	TYPÉ		SUPPLIER
b)			
b) TYPICAL HEAT CONTENT	(SPECIFY UNITS):	c) TYPICAL NITR	OGEN CONTENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTE	ENT AS FIRED (WT %):	e) TYPICAL ASH	CONTENT AS FIRED (WT %):
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS/MON	iTH):	(SPECIFY UNITS/YEAR):
g) TYPICAL CONSUMPTION	(SPECIFY UNITS/MON	NTH):	(SPECIFY UNITS/YEAR):

	ULES
O(S) AND LIMITATION(S) SET BY RULE(S) WHICH /	ARE APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER,
EMISSION STANDARD(S)	REQUIREMENT(S)
40 CFR Part 63.1505(i)(4)	0.40 lb per ton charge material
40 CFR Part 63.1505(i)(3)	15 ug TEQ per MG charge material
40 CFR Part 63.1505(i)(1)	0.40 lb per ton charge material
JLE(S) WHICH ARE APPLICABLE TO THIS EMISSIC	UNIT:
RECORDKEEPING RULE(S)	REQUIREMENT(S)
40 CFR Part 63.1517	Flux & charge wt.
40 CFR Part 63.1517	Charge wt. & Baghouse inlet temperature
40 CFR Part 63.1517	Charge wt. & Bag break occurrance
WHICH ARE APPLICABLE TO THIS EMISSION UN	Π̄:
REPORTING RULE(S)	REQUIREMENT(S)
40 CFR Part 63.1516	SSM report, Excess emissions report, Annual compliance
40 CFR Part 63.1516	SSM report, Excess emissions report, Annual compliance
40 CFR Part 63.1516	SSM report, Excess emissions report, Annual compliance
S) WHICH ARE APPLICABLE TO THIS EMISSION UP	NIT:
MONITORING RULE(S)	REQUIREMENT(S)
40 CFR Part 63.1510	See Rule
40 CFR Part 63.1510	See Rule
40 CFR Part 63.1510	See Rule
VOR PROCEDURES WHICH ARE APPLICABLE TO	THIS EMISSION UNIT:
TESTING RULE(S)	REQUIREMENT(S)
40 CFR Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years
40 CFR Parts 63,1511 & 63,1512	Initial performance test repeated every 5 years
40 CFR Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years
	### EMISSION STANDARD(S) ### 40 CFR Part 63.1505(i)(4) ### 40 CFR Part 63.1505(i)(3) ### 40 CFR Part 63.1505(i)(1) ### 40 CFR Part 63.1505(i)(1) ### 40 CFR Part 63.1517 ### 40 CFR Part 63.1516 ### 40 CFR Part 63.1510 ### 40 CFR Part 63.1511 ### 40 CFR Part 63.1512 ### 40 CFR Part 63.1512

31) DOES THE EMISSION (OTHERWISE APPLICA	JNIT QUALIFY FOR AN EXE BLE RULE?	MPTION FROM AN	O YES	Ø NO		
EXEMPTION. PROVIDE SUPPORTING DATA AN	TH THE RULE FROM WHICH E A DETAILED EXPLANATION ND CALCULATIONS, ATTAC CHADDRESS AND JUSTIFY	N JUSTIFYING THE EXEMP THE AND LABEL AS EXHIBIT	TION, INCLUDE DET	AILED		
	COMPLIA	NCE INFORMATION				
. , =	T IN COMPLIANCE WITH AL	The state of the s	X YES	O NO		
REQUIREMENTS? IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE - ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.						
33) EXPLANATION OF HO	W INITIAL COMPLIANCE IS	TO BE, OR WAS PREVIOUS	LY, DEMONSTRATE	D:		
	tests relevant to HCl, D 511 & 63.1512 for a maj	· · · · · · · · · · · · · · · · · · ·	oleted in August, 2	009, per 40		
	tests relevant to VOM a	·				
 Performance oily and non-oily 	test results from similar	source for CO and NO:	cemission determi	inations for		
	test results from similar	r source for VOM emiss	ion determinations	for		
non-oily materia						
	mbustion of natural gas observation of fugitive e		minations.			
34) EXPLANATION OF HO	W ONGOING COMPLIANCE	WILL BE DEMONSTRATED				
specified in Cons 2. Performance CFR Parts 63.15	PM, VOM, HCI, NOx ar struction Permit No. 071 tests of HCI, D/F and Pa 11 & 63.1512. d recording of operating	1003. articulate emissions eve	ry 5 years, as spe	cified in 40		
and 63.1517.	3 4 1 4 5	, ,				
	cations of compliance, a	•	art 63,1516(c).			
•	bservation of fugitive en urner capacity at or belo					
o. Maintaining b		JW 10,000,000 Dto//ii.		•		
	CTIMO BROBUTO DISIO	DECORDEE DIVO 4	ID DEDORTHIC			
35a) LIST THE PARAMETE DETERMINE FEES, F	STING, MONITORING, ERS THAT RELATE TO AIR I RULE APPLICABILITY OR CO REMENT, AND THE FREQU	EMISSIONS FOR WHICH REDMPLIANCE. INCLUDE THE	CORDS ARE BEING UNIT OF MEASURE	MENT, THE		
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASU	REMENT F	REQUENCY		
Flux usage	lbs	weigh scale		batch		
Charge wt.	lbs	weigh scale	each	batch		
Visible emissio	presence	visual		each day		
Natural gas	scf	gas meter		shift		
<u> </u>			L			

35h) BRIEFI Y DESCRIBE T	HE METHOD BY WHICH DEC	CORDS WILL BE CREATED AND MA	INTAINED FOR EACH
RECORDED PARAMET	TER INCLUDE THE METHOD	OF RECORDKEEPING, TITLE OF P	ERSON RESPONSIBLE FOR
RECORDKEEPING, AN	ND TITLE OF PERSON TO CO	INTACT FOR REVIEW OF RECORD	S:
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
Flux usage	Heat sheet	Production supervisor	Plant Manager
Charge wt.	Heat sheet	Production supervisor	Plant Manager
Visible emissio	Daily log	Production supervisor	Plant Manager
Natural gas	Heat sheet	Production supervisor	Plant Manager
			·
c) IS COMPLIANCE OF THE	E EMISSION UNIT READILY D	DEMONSTRATED BY REVIEW OF	X YES NO
THE RECORDS?			YES UNO
IF NO, EXPLAIN:			
		·	
d) ARE ALL RECORDS REA	ADILY AVAILABLE FOR INSPI	ECTION, COPYING AND	X YES NO
SUBMITTAL TO THE AGI			YES U,NO
IF NO, EXPLAIN:			
	•		
363) DESCRIBE ANY MONIT	ORS OR MONITORING ACT	VITIES USED TO DETERMINE FEE	S RIJLE APPLICABILITY OR
COMPLIANCE:			S, NOLL ALL EIGABILITY ON
 Flux usage and cha Daily visible emission 	arge wt. recorded each b	atch on heat sheet.	
•	ure natural gas usage.		,
b) WHAT PARAMETER(S) I	S(ARE) BEING MONITORED	(E.G., OPACITY)?	
Flux usage and cha			
2. Presence of visible			1
3. Natural gas usage.			
		·	
c) DESCRIBE THE LOCATION	ON OF EACH MONITOR (E,G	., IN STACK MONITOR):	
1. Gas meter in gas li	•		
Weigh scales near	Rotary furnaces.		İ
-			İ

36d) IS EACH MO	NITOR EQUIPPED W	ITH A RECORDING DEVICE?			YES NO
IF NO, LIST	ALL MONITORS WITH	OUT A RECORDING DEVICE	: .	_	
1. Gas meter					
Weigh scales					
10 510 1110	00.00		01110		
BASIS?	OR REVIEWED FOR	ACCURACY ON AT LEAST A	QUARTERLY	U.	YES 🗵 NO 📗
IF NO, EXPLAIN	1:				
	,				
	enance checks fo	r gas meter.			Ì
2. Semi-annual	for weigh scales.				,
A IS EACH MONI	TOR OPERATED AT	ALL TIMES THE ASSOCIATED	EMISSION II	NIT IC	<u> </u>
IN OPERATION		ALE TIMES THE ASSOCIATED	CINISSION O	MIT 10	YES 🛇 NO
IF NO, EXPLAI	۷:				
Visible emission	determination ma	ide once per day during d	aylight hou	rs.	
					Ì
·					
27) DBOVIDE INFO	PAATION ON THE A	OST RECENT TESTS, IF ANY	THE VALUE OF THE	LE DECLITO AD	FICESTOR
PURPOSES OF	THE DETERMINATI	ON OF FEES, RULE APPLICA	BILITY OR CO	MPLIANCE, INC	LUDE THE TEST
		ING COMPANY, OPERATING TONAL SPACE IS NEEDED, A			
			OPERAT		
08/2009	TEST METHOD EPA 26	E. Alley & Assoc.	USEPA		Test Report
	EPA 23				
08/2009	ļ	E. Alley & Assoc.	USEPA		Test Report
08/2009	EPA 5	E. Alley & Assoc,	USEPA	See	Test Report
	L REPORTING REQU TO THE AGENCY:	REMENTS AND PROVIDE TH	E TILE AND	FREQUENCY OF	REPORT
REPORTING	REQUIREMENTS	TITLE OF REPORT	-	FREC	DUENCY
40 CFR Par	63.1516(a)	SSM Report		When not co	vered in OMM
40 CFR Par	63.1516(b)	Excess Emissions R	eport	Semi-annual	
40 CFR Part 63.1516(c) Compliance Certification Annual					
<u></u>					

					(39)E	EMISSION	INFORM,	ATION				
		(D 1actual em D 1uncontro	ISSION RATE	N RATE		ALLOWABLE BY RULE EMISSION RATE PERMITTED EMISSION RATE				SION RATE	
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	4 _{DM}	⁵ RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:							()	G g			
MONOXIDE (CO)	TYPICAL:							()				
LEAD	MAXIMUM:							()				
	TYPICAL:							()				
NITROGEN	MAXIMUM;							()				
OXIDES (NOx)	TYPICAL:							()				
PARTICULATE	MAXIMUM:							()				
MATTER (PART)	TYPICAL:		_					()				
PARTICULATE MATTER <= 10	MAXIMUM:							()				
MICROMETERS (PM10)	TYPICAL:							()			Company of the Company	
SULFUR	MAXIMUM:							()				
DIOXIDE (SO2)	TYPICAL:							()				
VOLATILE ORGANIC	MAXIMUM:							()				
MATERIAL (VOM)	TYPICAL:							()				
OTHER, SPECIFY:	MAXIMUM:							()				
	TYPICAL:							()				
PARTICULATE	MAXIMUM	5.00	21.9	。 GR/DSGF世		Parent II. II.	in 1 6;0	(LBS/HR)	2/2/32/	26.28	5.5 LBS/HR	22
MATTERNING	TYPICAL:	4.00	744	GR/DSCF	54 75 870 56 99 71 7 15 5		55	(LBS/HR)	2/2/321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-5.

¹ CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

5 RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

Ĺ		(40) HAZARDOUS .	AIR POLLUTAN	IT EMISSION I	NFORMATI	ON		
HAP INFORM	HAP INFORMATION		□ ¹actua □ ¹uncoi	AL EMISSION RA NTROLLED EMIS		ALLOWABLE BY RULE			
NAME OF HAP	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMŞ	⁴ DM		⁵ RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:							
		TYPICAL:			<u> </u>				
		MAXIMUM;	·			 	-	·	
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							ļ
ALIEN (1997) - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997		MAXIMUM:			- (A. C.				
		TYPICAL:			· · · · · · · · · · · · · · · · · · ·				La de la constanta de la const
чинтиктетті қарады білік тіліктін қарады білікті және құрады бірін білікті қарады біріні құрады құрады құрады		MAXIMUM:				 			
		TYPICAL:			<u> </u>				
		MAXIMUM:	1						
		TYPICAL;				 			
		MAXIMUM:					-	,	
		TYPICAL:					- -]
·		MAXIMUM:					-		-
		TYPICAL:							
EXAMPLE		@MAXIMUM:	10.0	1.2		1.5.42.2.5		98% by wt control device	CFR 61
Benzene	7.1432	TYPICAL	4. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	20.8 - 1	<u>a a ita yan basa 49.</u> Binasa a in Filaday	2		leak-tight trucks	61.302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-6.

¹PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY. 2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

³PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

⁵RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION						
THIS SECTION SHOULD NOT BE COMPLETED		HAUSTED THROUGH A	AIR POLLUTION CONTROL EQUIPMENT.			
41) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT:						
42) DESCRIPTION OF EXHAUST POINT OF DISCHARGES INDOORS, DO NOT CO			DRS, ETC.). IF THE EXHAUST POINT			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
43) DISTANCE TO NEAREST PLANT BOU	JNDARY FROM EXH	AUST POINT DISCH	ARGE (FT):			
,						
44) DISCHARGE HEIGHT ABOVE GRADE	(FT):					
45) GOOD ENGINEERING PRACTICE (G	EP) HEIGHT, IF KNC	WN (FT):				
46) DIAMETER OF EXHAUST POINT (FT)	: NOTE: FOR A NO	N CIRCULAR EXHAL	IST POINT, THE DIAMETER IS			
1.128 TIMES THE SQUARE ROOT OF	THE AREA.					
47) EXIT GAS FLOW RATE	a) MAXIMUM (ACF	M):	b) TYPICAL (ACFM):			
48) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):	,	b) TYPICAL (°F):			
			·			
49) DIRECTION OF EXHAUST (VERTICAL	L, LATERAL, DOWN	WARD):				
50) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SE.	KAED BA THIS EXH	AUST POINT:			
NAME		FLO	W DIAGRAM DESIGNATION			
a)						
b)						
(c)						
d)						
e)						
<u> </u>		<u> </u>	<u> </u>			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READ	ILY AVAILABLE.				
51a) LATITUDE:		b) LONGITUDE:				
52) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			

35



Interest ID Number:

0430805095

ACES Tie ID:

1.70000560391E+11

Site Name: First Development Corp

Street Address: 770 North Ave

PO Box:

Location City: Villa Park

Location State: IL

Location Zip Code: 60181

BOA Imaged Documents	BOA Drawings			
Paper File Records	BOL Microfilmed Records			
	FileCategory Description Pages of Film			
	02 General Correspondence			
	21A Leaking UST Technical			
	21B Leaking UST Fiscal			
BOL Imaged Documents	LUST Incidents			
<u> </u>	Incident NFR Date Non-LUST			
	930248 8/5/1994			
BOL Drawings	BOL Photos			
BOW Imaged Documents	BOW Drawing			



Exhibit 240-1a IMCO Recycling of Illinois, Inc.

APPLICABLE RULES (cont.)

) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER, IAC 212.206<= 0.10 LBS/MMBTU):

REGULATED AIR POLLUTANT(S)

Visible Emissions (fugitive)
Organic Material
Particulate matter
Volatile organic material*
Particulate matter (oily material)*
Particulate matter (non-oily material)*
Volatile organic material (oily material)*
Volatile organic material (non-oily material)*
Carbon monoxide (oily material)*
Carbon monoxide (non-oily material)*
Nitrogen oxides (oily material)*
Nitrogen oxides (non-oily material)*
Hydrogen chloride (oily material)*
Hydrogen chloride (non-oily material)*
*Rotary Furnace No.'s 1 & 2 combined

EMISSION STANDARD(S)

35 IAC 212.301
35 IAC 218.301
35 IAC 212.321
35 IAC 218 Subpart TT
Construction Permit No. 07110033, condition 7(a)
Construction Permit No. 071 10033, condition 7(b)
Construction Permit No. 071 10033, condition 7(a)
Construction Permit No. 07110033, condition 7(b)
Construction Permit No. 071 10033, condition 7(a)
Construction Permit No. 07110033, condition 7(b)
Construction Permit No. 07110033, condition 7(a)
Construction Permit No. 07110033, condition 7(b)
Construction Permit No. 07110033, condition 7(a)
Construction Permit No. 07110033, condition 7(b)

REQUIREMENT(S)

No off-site visible fugitive emissions
Organic material <= 8 lbs/hr
PM <= 5.50 lb/hr @ 4.25 tph max. process rate
VOM < 25 tons per year
PM <= 0.2 tpm and <= 1.0 tpy
PM <= 0.3 tpm and <= 2.3 tpy
VOM <= 2.7 tpm and <= 14.4 tpy
VOM <= 1.0 tpm and <= 8.1 tpy
CO <= 2.4 tpm and <=11.0 tpy
CO <= 3.1 tpm and <= 25.7 tpy
NOx <= 0.9 tpm and <= 4.1 tpy
NOx <= 1.1 tpm and <= 9.5 tpy
HC1 <= 0.07 tpm and <= 0.4 tpy
HCl <= 0.1 tpm and <= 0.8 tpy



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE
Revision #:
Date: / /
Page of
Source Designation:

	FOR AGENCY USE ONLY IN SECTION OF THE PROPERTY						
	ID NUMBER:						
FUEL COMBUSTION EMISSION UNIT	EMISSION POINT #:						
DATA AND INFORMATION							
	DATE:						
SOURCE IN	FORMATION						
1) SOURCE NAME:							
IMCO Recycling of Illinois, Inc.							
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE						
GENERAL IN	IFORMATION						
4) NAME OF EMISSION UNIT:							
Rotary Furnace No. 2							
5) NAME OF PROCESS:							
Aluminum Recycling							
6) DESCRIPTION OF PROCESS:							
<u>-</u>	inum scrap and aluminum byproducts						
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A							
Molten aluminum and/or aluminum sows are prod	lucea.						
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:							
RF2 9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):							
H & H Sheet Metal	4						
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):						
N/A	N/A						
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):						
OPERATION AND/OR MOST RECENT MODIFICATION	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	b) OPERATION (MONTH/YEAR):						
	c) LATEST MODIFICATION (MONTH/YEAR):						
	10/2006						
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	<u></u>						
Like-kind replacement of entire furnace							

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S US

•						
14) DOES THE EMISSION UNIT HAVE MOF	RE THAN ONE MODE	OF O	PERATION?	ſ	YES	on 🔇 a
IF YES, EXPLAIN AND IDENTIFY WHIC A SEPARATE PROCESS EMISSION UN FOR EACH MODE):					٠	,,,,,
Rotary furnace is 15,000 lb. maxim	um capacity, dire	ct nat	ural das fired	d with a 10.	.000.00	00 BtU/hr
burner.					,000,00	
15) PROVIDE THE NAME AND DESIGNATI EMISSION UNIT, IF APPLICABLE (FOR MUST BE COMPLETED FOR EACH ITE	M 260-CAAPP AND T	THE AF	PROPRIATE 2	260-CAAPP A		
8 Cell, Lime-Injected Shaker Bagh	ouse, Model No. 2	288-5	530-171-5.			•
Į						
16) WILL EMISSIONS DURING STARTUP E RATE PURSUANT TO A SPECIFIC RUI ESTABLISHED BY AN EXISTING OR P	E, OR THE ALLOWA	ABLE E	MISSION LIM		☐ YE	s 🛛 NO
IF YES, COMPLETE AND ATTACH FOR EXCESS EMISSIONS DURING START			TO OPERATE	E WITH		
17) PROVIDE ANY LIMITATIONS ON SOUI STANDARDS (E.G., ONLY ONE UNIT IS			NG EMISSION	S OR ANY W	ORK PI	RACTICE
See Construction Permit No. 07110	033 issued June	26.2	008 and cur	rent 40 CFI	R Sub	nart RRR
required Operation, Maintenance ar				10110 10 01	rt, oub	parerate
l and a special specia	in monitoring (on					
	OPERATING IN					
18) ATTACH THE CALCULATIONS, TO THE FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-1	ION, MATERIAL USA	GE IN	FORMATION A	AND FUEL U	SAGE D	
19a) MAXIMUM OPERATING HOURS	HOURS/DAY:		DAYS/WEEK	· · · · · · · · · · · · · · · · · · ·	WEEK	S/YEAR:
1	24		7		52	
b) TYPICAL OPERATING HOURS	HOURS/DAY:		DAYS/WEEK	·		(S/YEAR;
b) IT FICAL OPERATING HOURS			ĺ	٠.	1	STEAR;
	24		7		51	,
20) ANNUAL THROUGHPUT	DEC-FEB(%):	i	-MAY(%):	JUN-AUG(%	6):	SEP-NOV(%):
	25	25		25		25
	 					<u> </u>
	FIRING RATE II	NFOF	MATION			**************************************
21a) RATED OR DESIGN HEAT INPUT CA	PACITY (MILLION B	TU/HR				
			10.0			
b) IS MORE THAN ONE FUEL FIRED A	TA TIME?				\	
				<u></u>	YES	Ø NO
IF YES, EXPLAIN:			•			
II (EO, EAI EAIN.						
			•			
						•
						•
1						

THE BURNER IS LOCAT	ITY IS 100 MILLION BTU/H IME IS DEFINED AS THAT FED, THE FURNACE SIDE ST ROW OF CONVECTION	VOLUME BOUND WATERWALL, AN	ED BY THE FRO	NT FURNACE W	VALL WHERE
N/A				÷	a Francis
		NATURAL GAS	FUEL OIL	COAL	OTHER
d) SINGLE FUEL (MAXIMU MILLION BTU/HOUR)	M -	10	N/A	N/A	N/A
e) SINGLE FUEL (TYPICAI MILLION BTU/HOUR)		10	N/A	N/A	N/A
f) COMBINED FUEL (TYPIO MILLION BTU/HOUR) (19		N/A	N/A	N/A	N/A
	NATU	RAL GAS FIRIN	VG		
22a) CURRENT ORIGIN OF NATURAL GAS:	PIPELINE (FIRM C	ONTRACT)	O BY-PF	RODUCT, SPECI	FY ORIGIN:
	PIPELINE (INTERRICONTRACT)	RUPTIBLE SUPPLY	О отне	R, - SPECIFY:	,
b) TYPICAL HEAT CONTER 1,020	NT (BTU/SCF):				
c) MAXIMUM CONSUMPTION	SCF/MONTH: 7,295,000		SCF/YEAR 85,890	•	
d) TYPICAL CONSUMPTION	SCF/MONTH: 7,295,000	-	SCF/YEAR 84,238		
		OIL FIRING			
23a) OIL TYPE (CHECK ONE): NO. 1	O NO. 2	O NO. 4	O NO. 5	NO. 6
	OTHE	R, SPECIFY (INCL	UDE GENERATO	OR OR SUPPLIE	R);
b) TYPICAL HEAT CONTEN	NT:		USED ONLY AS A	YES	s O NO
O btu/lb - or - (
d) TYPICAL SULFUR CONT	ENT AS FIRED (WT %):	e) TYPICA	L ASH CONTEN	T AS FIRED (WT	%):
f) MAXIMUM CONSUMPTION	GAL/MONTH:		GAL/YE	EAR:	
g) TYPICAL CONSUMPTION	GAL/MONTH:		GAL/YE	AR:	:
h) FIRING DIRECTION:	O HORIZONTAL	TANGENT	IAL O OT	THER, SPECIFY:	:

SOLID FUEL FIRING										
*24a) SOLID FUEL TYPE (CHECK ALL THAT APPLY):) sub-bituminous coal	O LIGNITE C	OAL D BITUMINOUS COAL							
	O ANTHRACITE COAL	OTHER, SPECIFY:								
b) TYPICAL HEAT CONTENT A	S FIRED (BTU/LB):	c) TYPICAL MOIS	FURE CONTENT AS FIRED (WT %):							
d) TYPICAL SULFUR CONTEN	FAS FIRED (WT %):	e) TYPICAL ASH (CONTENT AS FIRED (WT %):							
f) TYPICAL FINES CONTENT (9	% LESS THAN 1/8 INCH);	g) IS THE COAL CLEANED? YES NO								
h) HOW MUCH COAL REFUSE	IS IN THE FUEL? (WT %):									
i) MAXIMUM CONSUMPTION	TON/MONTH:		TON/YEAR:							
j) TYPICAL CONSUMPTION	TON/MONTH:		TON/YEAR:							
k) FIRING TYPE (CHECK ONE):	TRAVELING GRATE	spr	READER STOKER % REINJECTION:							
	CYCLONE	O PUL W	VERIZED, TYPE (CIRCLE ONE): ET BOTTOM DRY BOTTOM							
_	HORIZONTALLY OPPOSED	О отн	HER, SPECIFY:							
SPECIFICATIONS OF THE FUEL	. AND THE DURATION OF TH PORTIONS OF ALL FUEL CO	HE CONTRACT, IF NTRACTS AND ST	PLY CONTRACTS WHICH SET FORTH THE THE ACTUAL FUEL FIRED IS A BLEND OF ATE THE MANNER BY WHICH THE FUELS 2.							
	OTHER FL	JEL FIRING	· _							
25a) OTHER FUEL FIRING a)	TYPE		SUPPLIER							
b)										
b) TYPICAL HEAT CONTENT (SPECIFY UNITS):	c) TYPICAL NITR	OGEN CONTENT AS FIRED (WT %):							
d) TYPICAL SULFUR CONTEN	IT AS FIRED (WT %):	e) TYPICAL ASH	CONTENT AS FIRED (WT %):							
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS/MON	TH):	(SPECIFY UNITS/YEAR):							
g) TYPICAL CONSUMPTION	(SPECIFY UNITS/MON	VTH):	(SPECIFY UNITS/YEAR):							

	APPLICABLE R	ULES
26) PROVIDE ANY SPECIFIC EMISSION STAND, IAC 212.206, <= 0.10 LBS/MMBTU):		ARE APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER,
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
HCI	40 CFR Part 63.1505(i)(4)	0.40 lb per ton charge material
Dioxins and Furans	40 CFR Part 63.1505(i)(3)	15 ug TEQ per MG charge material
Particulate Matter	40 CFR Part 63.1505(i)(1)	0.40 lb per ton charge material
27) PROVIDE ANY SPECIFIC RECORDKEEPING	RULE(S) WHICH ARE APPLICABLE TO THIS EMISSIC	TINU NC
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
HCI	40 CFR Part 63.1517	Flux & charge wt.
Dioxins and Furans	40 CFR Part 63.1517	Charge wt. & Bag house inlet temp.
Particulate Matter	40 CFR Part 63.1517	Charge wt. & Bag break occurrance
28) PROVIDE ANY SPECIFIC REPORTING RULE	(S) WHICH ARE APPLICABLE TO THIS EMISSION UN	IT:
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
HCL	40 CFR Part 63.1516	SSM report, Excess emissions report, Annual compliance
Dioxins and Furans	40 CFR Part 63,1516	SSM report, Excess emissions report, Annual compliance
Particulate Matter	40 CFR Part 63.1516	SSM report, Excess emissions report, Annual compliance
29) PROVIDE ANY SPECIFIC MONITORING RUL	E(S) WHICH ARE APPLICABLE TO THIS EMISSION U	NIT:
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
HCL	40 CFR Part 63.1510	See Rule
Dioxins and Furans	40 CFR Part 63.1510	See Rule
Particulate Matter	40 CFR Part 63.1510	See Rule
30) PROVIDE ANY SPECIFIC TESTING RULES A	AND/OR PROCEDURES WHICH ARE APPLICABLE TO	THIS EMISSION UNIT:
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
HCL	40 CFR Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years
Dioxins and Furans	40 CFR Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years
Particulate Matter	40 CFR Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years

OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMPT	TION FROM AN	YES	Ø NO
IF YES, THEN LIST BOT EXEMPTION. PROVIDE SUPPORTING DATA AN	H THE RULE FROM WHICH IT A DETAILED EXPLANATION J D CALCULATIONS. ATTACH A H ADDRESS AND JUSTIFY THI	USTIFYING THE EXEMPT AND LABEL AS EXHIBIT 2	TION. INCLUDE DET	AILED
		E INFORMATION		
32) IS THE EMISSION UNIT REQUIREMENTS?	IN COMPLIANCE WITH ALL AF	PPLICABLE	X YES	О МО
	-CAAPP "COMPLIANCE PLANS UNITS" MUST BE COMPLETE			
33) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSL	Y, DEMONSTRATE	D
	tests relevant to HCl, D/F : 11 & 63.1512 for a major l	· · · · · · · · · · · · · · · · · · ·	leted in August, 2	2009, per 40
•	tests relevant to VOM and	•		1
 Performance t oily and non-oily 	est results from similar so material.	urce for CO and NOx	emission determ	inations for
4. Performance	test results from similar sc	ource for VOM emission	on determinations	s for
non-oily material 5. AP-42 for con	nbustion of natural gas for	SOx emission detern	ninations.	
6. Daily visual o	bservation of fugitive emis	sions.		
34) EXPLANATION OF HOV	VONGOING COMPLIANCE WIL	LL BE DEMONSTRATED:		
	PM, VOM, HCI, NOx and (month rolling av	erage, as
•	ruction Permit No. 071100 ests of HCl, D/F and Partic		v 5 vears, as sne	cified in 40
CFR Parts 63.151	1 & 63.1512			
Monitoring and and 63.1517	l recording of operating pa	arameters, as specifie	d in 40 CFR Part	s 63.1510
	ations of compliance, as s	pecified in 40 CFR Pa	art 63.1516(c)	
Daily visual ob	servation of fugitive emiss			
	rner capacity at or below	10,000,000 BtO/hr.		
Maintaining but				
	TRIC MONITORING OF	CODDICEDIAC AND	DALBORTING	
TES 35a) LIST THE PARAMETE	TING, MONITORING, RE	SSIONS FOR WHICH RE	CORDS ARE BEING	
TES 35a) LIST THE PARAMETE DETERMINE FEES, RI		SSIONS FOR WHICH REP LIANCE INCLUDE THE	CORDS ARE BEING UNIT OF MEASURE	MENT, THE
TES 35a) LIST THE PARAMETE DETERMINE FEES, RI	RS THAT RELATE TO AIR EMI JLE APPLICABILITY OR COMP	SSIONS FOR WHICH REP LIANCE INCLUDE THE	CORDS ARE BEING UNIT OF MEASURE E.G., HOURLY, DAII	MENT, THE
TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUR	RS THAT RELATE TO AIR EMI JLE APPLICABILITY OR COMP REMENT, AND THE FREQUENC	SSIONS FOR WHICH REPLIANCE. INCLUDE THE CY OF SUCH RECORDS	CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAII	MENT, THE LY, WEEKLY):
TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUF	RS THAT RELATE TO AIR EMI JLE APPLICABILITY OR COMP REMENT, AND THE FREQUENC UNIT OF MEASUREMENT	SSIONS FOR WHICH REPLIANCE. INCLUDE THE CY OF SUCH RECORDS METHOD OF MEASUR	CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAII EMENT F each	MENT, THE LY, WEEKLY): REQUENCY
TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUF PARAMETER Flux üsage	RS THAT RELATE TO AIR EMI- JLE APPLICABILITY OR COMP REMENT, AND THE FREQUENC UNIT OF MEASUREMENT Ibs	SSIONS FOR WHICH REPLIANCE. INCLUDE THE CY OF SUCH RECORDS METHOD OF MEASUR Weigh scale	CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAII EMENT F each each	MENT, THE LY, WEEKLY): REQUENCY batch

35b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR RECORDKEEPING, AND TITLE OF PERSON TO CONTACT FOR REVIEW OF RECORDS:										
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON							
Flux usage	Heat sheet	Production supervisor	Plant Manager							
Charge wt.	Heat sheet	Production supervisor	Plant Manager							
Visible emissio	Daily log	Production supervisor	Plant Manager							
Natural gas	Heat sheet	Production supervisor	Plant Manager							
c) IS COMPLIANCE OF THE EMISSION UNIT READILY DEMONSTRATED BY REVIEW OF X YES NO THE RECORDS? IF NO, EXPLAIN: d) ARE ALL RECORDS READILY AVAILABLE FOR INSPECTION, COPYING AND X YES NO SUBMITTAL TO THE AGENCY UPON REQUEST?										
IF NO, EXPLAIN: 36a) DESCRIBE ANY MONITORS OR MONITORING ACTIVITIES USED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE: 1. Flux usage and charge wt. recorded each batch on heat sheet. 2. Daily visible emission determinations.										
3. Gas meter to measure natural gas usage. b) WHAT PARAMETER(S) IS(ARE) BEING MONITORED (E.G., OPACITY)? 1. Flux usage and charge wt. 2. Presence of visible emissions. 3. Natural gas usage.										
c) DESCRIBE THE LOCATION	ON OF EACH MONITOR (E.G	S., IN STACK MONITOR):								
1. Gas meter in gas line prior to furnace 2. Weigh scales near Rotary furnaces.										

36d) IS EACH MONITOR EQUIPPED WI	O YES	ON 🔇									
IF NO, LIST ALL MONITORS WITH											
1. Gas meter.											
2. Weigh scales.											
		•									
e) IS EACH MONITOR REVIEWED FOR A	ACCURACY ON ATLEAST A	OLIARTERIY									
BASIS?	AUGUITAGI ON AT ELAUT A	QOARTERE!	U YES	⊗ ио							
IF NO, EXPLAIN:											
Annual maintenance checks for gas meter.											
2. Semi-annual for weigh scales.											
f) IS EACH MONITOR OPERATED AT A	LL TIMES THE ASSOCIATED	EMISSION UNIT IS		⊗ NO							
IN OPERATION?			U YES								
IF NO, EXPLAIN:											
Visible emission determination mad	de once per day during d	laylight hours.									
			·								
	•			·							
37) PROVIDE INFORMATION ON THE MO	OST RECENT TESTS, IF ANY	, IN WHICH THE RES	ULTS ARE USED	FOR							
PURPOSES OF THE DETERMINATION DATE, TEST METHOD USED, TESTIF											
SUMMARY OF RESULTS. IF ADDITI											
TEST DATE TEST METHOD	TESTING COMPANY	OPERATING CONDITIONS	SUMMARY OF	DEDINE.							
08/2009 EPA 26		USEPA	1	SUMMARY OF RESULTS See Test Report							
08/2009 EPA 23		USEPA		Report							
08/2009 EPA 23	E. Alley & Assoc.	USEPA	See Test F	Report							
				Report							
08/2009 EPA 23	E. Alley & Assoc.	USEPA	See Test F	Report							
08/2009 EPA 23 08/2009 EPA 5	E. Alley & Assoc. E. Alley & Assoc.	USEPA USEPA	See Test F	Report Report							
08/2009 EPA 23	E. Alley & Assoc. E. Alley & Assoc.	USEPA USEPA	See Test F	Report Report							
08/2009 EPA 23 08/2009 EPA 5 38) DESCRIBE ALL REPORTING REQUITE SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS	E. Alley & Assoc. E. Alley & Assoc. REMENTS AND PROVIDE THE	USEPA USEPA HE TITLE AND FREQU	See Test F See Test F See Test F FREQUENCY	Report Report							
08/2009 EPA 23 08/2009 EPA 5 38) DESCRIBE ALL REPORTING REQUITE SUBMITTALS TO THE AGENCY:	E. Alley & Assoc. E. Alley & Assoc. REMENTS AND PROVIDE THE OF REPORT	USEPA USEPA HE TITLE AND FREQUE Whe	See Test F See Test F	Report Report							
08/2009 EPA 23 08/2009 EPA 5 38) DESCRIBE ALL REPORTING REQUISOUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS	E. Alley & Assoc. E. Alley & Assoc. REMENTS AND PROVIDE THE SSM Report Excess Emissions R	USEPA USEPA HE TITLE AND FREQUE When the second s	See Test F See Test F See Test F FREQUENCY	Report Report							
08/2009 EPA 23 08/2009 EPA 5 38) DESCRIBE ALL REPORTING REQUITE SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS 40 CFR Part 63.1516(a)	E. Alley & Assoc. E. Alley & Assoc. REMENTS AND PROVIDE THE OF REPORT	USEPA USEPA HE TITLE AND FREQUE When the second s	See Test F See Test F See Test F FREQUENCY In not covered ii-annual	Report Report							

					(39)	EMISSION	INFORM	ATION					2012	
01A			☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE EMISSION RATE				² PERMITTED EMISSION RATE			
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	⁵ RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	R	RATE	(UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM;							()	G g					
MONOXIDE (CO)	TYPICAL:							()						
LEAD	MAXIMUM;							()						
	TYPICAL:							()						
NITROGEN	MAXIMUM:							· ()					,	
OXIDES (NOx)	TYPICAL:							()						
PARTICULATE	MAXIMUM:							()						
MATTER (PART)	TYPICAL:							()						
PARTICULATE MATTER <= 10	MAXIMUM:							()						
MICROMETERS (PM10)	TYPICAL:							()						
SULFUR	MAXIMUM:			-				()						
DIOXIDE (SO2)	TYPICAL							()						
VOLATILE ORGANIC	MAXIMUM:							()						
MATERIAL (VOM)	TYPICAL:							_()						
OTHER, SPECIFY:	MAXIMUM;							()						
	TYPICAL:							_()				9.0		
EXAMPLE PARTICULATE MATTER	MAXIMUM:	5.00	219	0:3 GF/DSCF 0:24		15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1465 S. S. 1284 S.	LBS/HR)	272,321	26.28		5,5 LB	IS/I-IR	e e para 1312 an 1912 1867 again de 22 ea de 15
	TYPICAL	4.00	F 14:41 +	GRADSOF	BRATESTATE	-45-4-1E-1	5.5	LBS/HR).	- 1. 1. 212 321 H	19.80				

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-5.

¹ CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS, SEE INSTRUCTIONS, 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)
4 DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)
5 RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	28.	(4	0) HAZARDOUS .	AIR POLLUTAI	IT EMISSION I	NFORMAT	ION		
HAP INFORMATION			☐ ¹ ACTUAL EMISSION RATE ☐ ¹ UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE		
NAME OF HAP EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM		⁵ RATE OR STANDARD	APPLICABLE RULE
		MAXIMUM:							
		TYPICAL:							
	 	MAXIMUM:		<u></u>			-		
		TYPICAL:				 			
and the same of th		MAXIMUM:			`				
		TYPICAL:							
and the second s		MAXIMUM:		· · · · · · · · · · · · · · · · · · ·			ļ		
		TYPICAL:							
		MAXIMUM:				-		·	
		TYPICAL:							
		MAXIMUM:	100		<u> </u>	+		. 11000 ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija ilija	
		TYPICAL:							
and the second section of the second section of the second section section sections.		MAXIMUM:					-	The state of the s	
		TYPICAL:							
reflessmentellermorrettysprocessessessessessessessessessessessessess		MAXIMUM:	CARTY CARTY					<u></u>	
		TYPICAL:							
EXAMPLE		_MAXIMUM::::	sj	5.02550 1.2 555					al Carlo GER 61 men.
Benzene:	71432	TYPIGALI	9.01 July 18.01	0.8		2/		98% by wt control device.	61 302(b),(d)

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-6.

⁵RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

²CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

³PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

⁵THE STANDARD EMISSION FACTOR (NOT AP-42 OR AIRS).

EXHAUST POINT INFORMATION						
THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.						
41) FLOW DIAGRAM DESIGNATION OF E	XHAUST POINT:					
42) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROO	F MONITOR, INDOO	RS, ETC.). IF THE EXHAUST POINT			
DISCHARGES INDOORS, DO NOT CO	OMPLETE THE REMA	AINING ITEMS.				
- ***	•	•				
43) DISTANCE TO NEAREST PLANT BOU	JNDARY FROM EXH	AUST POINT DISCH	ARGE (FT):			
			1			
44) DISCHARGE HEIGHT ABOVE GRADE	E (FT):					
		•				
45) GOOD ENGINEERING PRACTICE (GI	EP) HEIGHT, IF KNO	WN (FT):				
,						
46) DIAMETER OF EXHAUST POINT (FT)	: NOTE: FOR A NON	N CIRCULAR EXHAU	IST POINT, THE DIAMETER IS			
1.128 TIMES THE SQUARE ROOT OF	THE AREA.		1			
47) EXIT GAS FLOW RATE	a) MAXIMUM (ACFI	<i>Δ</i>).	b) TYPICAL (ACFM):			
41) EXIT GAS LEOWING	a) WESTINGW (1001)	•••	5) 171 737 12 (131 111)			
IN EVEL OAD TEMPEDATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):			
48) EXIT GAS TEMPERATURE	a) WAXIMOW (P).		b) HEICAL (F).			
49) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWNV	VARD):				
50) LIST ALL EMISSION UNITS AND COM	NTROL DEVICES SEF	RVED BY THIS EXHA	AUST POINT:			
NAME FLOW DIAGRAM DESIGNATION						
a)						
b)						
c)						
			-			
d)						
e)						
THE FOLLOWING INFORMATION NEED ONLY	RE SLIDDLIED IE DEADL	I Y AVAILARLE				
THE FOLLOWING INFORMATION NEED ONLY BE SUPPLIED IF READILY AVAILABLE. 51a) LATITUDE: b) LONGITUDE:						
52) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			
02,0110,2011	,	. ,	` ′			
	1					

Exhibit 240-1b IMCO Recycling of Illinois, Inc.

APPLICABLE RULES (cont.)

26) PROVIDE ANY SPECIFIC EMISSION STANDARD(S) AND LIMITATION(S) WHICH ARE APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER, IAC 212.206<= 0.10 LBS/MMBTU):

REGULATED AIR POLLUTANT(S)

Visible Emissions (fugitive)
Organic Material
Particulate matter
Volatile organic material*
Particulate matter (oily material)*
Particulate matter (non-oily material)*
Volatile organic material (oily material)*
Volatile organic material (non-oily material)*
Carbon monoxide (oily material)*
Carbon monoxide (non-oily material)*
Nitrogen oxides (oily material)*
Nitrogen oxides (non-oily material)*
Hydrogen chloride (oily material)*
Hydrogen chloride (non-oily material)*

*Rotary Furnace No.'s 1 & 2 combined

EMISSION STANDARD(S)

35 IAC 212.301	
35 IAC 218.301	
35 IAC 212.321	
35 IAC 218 Subpart TT	
Construction Permit No.	07110033, condition 7(a)
Construction Permit No.	07110033, condition 7(b)
Construction Permit No.	07110033, condition 7(a)
Construction Permit No.	07110033, condition 7(b)
Construction Permit No.	07110033, condition 7(a)
Construction Permit No.	07110033, condition 7(b)
Construction Permit No.	07110033, condition 7(a)
Construction Permit No.	07110033, condition 7(b)
Construction Permit No.	07110033, condition 7(a)
Construction Permit No.	07110033, condition 7(b)

REQUIREMENT(S)

No off-site visible fugitive emissions
Organic material <= 8 lbs/hr
PM <= 5.50 lb/hr @ 4.25 tph max, process rate
VOM < 25 tons per year
PM <= 0.2 tpm and <= 1.0 tpy
PM <= 0.3 tpm and <= 2.3 tpy
VOM <= 2.7 tpm and <= 14.4 tpy
VOM <= 1.0 tpm and <= 8.1 tpy
CO <= 2.4 tpm and <=11.0 tpy
CO <= 3.1 tpm and <= 25.7 tpy
NOx <= 0.9 tpm and <= 4.1 tpy
NOx <= 1.1 tpm and <= 9.5 tpy
HCl <= 0.07 tpm and <= 0.4 tpy
HCl <= 0.1 tpm and <= 0.8 tpy



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLICANT'S USE
Revision #:	p. 2
Date:	_ / /
Page	of
Source Desi	gnation:

AIR POLLUTION CONTROL EQUIPMENT DATA AND INFORMATION

	trigge to the street and the street and)R,AGEN	ICY US	ONLY	32-31569-354	
ID NUM	DEK.					
CONTRO	DL EQUIPN	MENT#:			 	
DATE:						
ł						

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 250-A THROUGH 250-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

SOURCE INFORMATION				
1) SOURCE NAME:				
IMCO Recycling of Illinois, Inc.				
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE			

GENERAL II	NFORMATION
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/O	OR CONTROL SYSTEM:
Baghouse No. 1	
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPME	NT AND/OR CONTROL SYSTEM:
BH1	
6) MANUFACTURER OF CONTROL EQUIPMENT (IF KNOWN	I):
IMCO Recycling, Inc.	
7) MODEL NUMBER (IF KNOWN): 288-5530-171-5	8) SERIAL NUMBER (IF KNOWN): N/A
9) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EQUIPMENT (ACTUAL OR PLANNED)	09/04
OF THIS EQUILIBRIENT (ACTUAL ON TENNICE)	b) OPERATION (MONTH/YEAR):
	10/04
	c) LATEST MODIFICATION (MONTH/YEAR):
	02/07
10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):	
Added a module/cell to the bag house (went from	a a 7 cell to an 8 cell bag house).
	•

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

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40

Printed on Recycled Paper 260-CAAPP

	QUIPMENT DUCTING EMISSIONS TO THIS CONTROL
EQUIPMENT: NAME	DESIGNATION OR CODE NUMBER
Rotary Furnace No. 1	RF1
Rotary Furnace No. 2	RF2
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COV A SEPARATE AIR POLLUTION CONTROL EQUIPMENT	/ERED BY THIS FORM (NOTE:
COMPLETED FOR EACH MODE):	
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATE TECHNICAL DRAWINGS):	ED TO THIS AIR POLLUTION CONTROL EQUIPMENT(E.G.,
None	
,	
OPERATIN 14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPM	NG SCHEDULE
	NG EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
N/A	
de l'orbite du vorgione guerre oprovitante	UE CEPTALIC PLUCCIOL UNITION IN IEA THE COLFED
15a) IDENTIFY ANY PERIODS DURING OPERATION OF THE	LE LEEDING EMISSION DIVIT(2) ANDEM THE CONTROL
EQUIPMENT IS/ARE NOT USED:	
EQUIPMENT IS/ARE NOT USED: N/A	
N/A	
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A	? YES O NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	? YES O NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	? YES O NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	? YES ONO

REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S) 212.123(a) & (b) and 212.124	LICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.207(b)(1), 81% REQUIREMENT(S) Opacity <= 30%	
PROVIDE ANY SPECIFIC RECORDING RULE(S) WHICH A	212.123(a) & (b) and 212.124		
17) PROVIDE ANY SPECIFIC RECORDICEPING RULE(S) WHICH A		Opacity <= 30%	
17) PROVIDE ANY SPECIFIC RECORDICEPING RULE(S) WHICH A			
	ARE APPLICABLE TO THIS EMISSION UNIT		
	ARE APPLICABLE TO THIS EMISSION UNIT		
	ARE APPLICABLE TO THIS EMISSION UNIT		
REGULATED AIR POLLUTANT(S)			
	RECORDKEEPING RULE(S)	REQUIREMENT(S)	
		-	
40 FRO HOL ANY ORDER	L		
18) PROVIDE ANY SPECIFIC REPORTING RULE(S) WHICH ARE AIR REGULATED AIR POLLUTANT(S)	PPLICABLE TO THIS EMISSION UNIT: REPORTING RULE(S)		
ALGODALES MICHOELES MICHOS	REFORTING RULE(3)	REQUIREMENT(S)	 1
	-		
		The state of the s	
19) PROVIDE ANY SPECIFIC MONITORING RULE(S) WHICH ARE A	PPLICABLE TO THIS EMISSION UNIT:		*
. REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)	
HCI 40 CFI	R Part 63.1510	See Rule	
Dioxins and Furans 40 CFF	R Part 63.1510	See Rule	
Particulate Matter 40 CFI	R Part 63.1510	See Rule	
ZON DECAUDE ANY OREGISTERS THAT IS NOT THE TOTAL OF THE T			
20) PROVIDE ANY SPECIFIC TESTING RULES AND/OR PROCEDUI REGULATED AIR POLLUTANT(S)	RES WHICH ARE APPLICABLE TO THIS EMI TESTING RULE(S)		
	Parts 63.1511 & 63.1512	REQUIREMENT(S)	
	·	Initial performance test repeated every 5 years	
	Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years	
Particulate Matter 40 CFR	Parts 63.1511 & 63.1512	Initial performance test repeated every 5 years	

COMPLIANCE INFORMATION						
21) IS THE CONTROL SYST REQUIREMENTS?	EM IN COMPLIANCE WITH ALL	APPLICABLE	YES . NO			
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE — ADDENDUM FOR NON COMPLYING EMISSION UNITS" MUST BE COMPLETED AND SUBMITTED WITH THIS APPLICATION.						
22) EXPLANATION OF HOW	VINITIAL COMPLIANCE IS TO B	E, OR WAS PREVIOUSLY, DE	MONSTRATED:			
	,					
	evant to HCl, D/F and Particlests established limits for I	•	st, 2009 , per 40 CFR Parts i lime flow rate and setting.			
	4					
	•					
23) EXPLANATION OF HOV	VONGOING COMPLIANCE WIL	L BE DEMONSTRATED:				
•	monitored by thermocouple		NESHAP server, and			
compared to performa	•		· · · · · · · · · · · · · · · · · · ·			
Lime flow visually che	cked every 8 hrs to ensure	flow and setting.				
Bag breaks monitored	l by bag break detector and	I results recorded on NES	HAP server.			
Opacity determination	when visible emissions oc	cur.				
	TING, MONITORING, REC					
24a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):						
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY			
BH inlet temp.	degrees F	NESHAP server	continuous			
Lime flow	setting & presence	visual	every 8 hours			
BH bag break	%	NESHAP server	continuous			
Opacity	%	visual	when VE occurs			
	·					

24b) BRIEFLY DESCRIBE T	HE METHOD BY WHICH REC	ORDS WILL BE CREATED AND M	AINTAINED. FOR EACH				
		OF RECORDKEEPING, TITLE OF F NTACT FOR REVIEW OF RECORD					
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON				
BH inlet temp.	NESHAP server	Maint, supervisor	Plant Manager				
Lime flow	Visual inspectioin	Maint. supervisor	Plant Manager				
BH bag break	NESHAP server	Maint. supervisor	Plant Manager				
Opacity	Daily log	Production supervisor	Plant Manager				
c) IS COMPLIANCE OF THE	CONTROL EQUIPMENT REA	DILY DEMONSTRATED BY	\triangle				
REVIEW OF THE RECOR	DS?						
IF NO, EXPLAIN:		•					
d) ARE ALL RECORDS REAL	DILY AVAILABLE FOR INSPEC	CTION, COPYING AND/OR					
SUBMITTAL TO THE AGE IF NO, EXPLAIN:	NOT OPON REQUEST?						
IF NO, EXPLAIN.							
25a) DESCRIBE ANY MONITO COMPLIANCE:	DRS OR MONITORING ACTIV	ITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR				
1. Thermocouple and N	ESHAP server for BH inle	et temperature.					
	y 8 hours and recorded o						
	nd NESHAP server for B ns made when point sour	H bag breaks. ce visible emissions occurs.	Daily VE checks				
		ONITORED (E.G., COMBUSTION C	,				
		, , , , , , , , , , , , , , , , , , , ,					
 Inlet gas temperature Lime flow to baghous 	*						
3. Bag breaks in baghouse.							
4. Opacity, when VE oc	curs.						
c) DESCRIBE THE LOCATION	ON OF EACH MONITOR (E.G.,	EXIT OF COMBUSTION CHAMBE	R):				
Thermocouple in inle	t duct to baghouse.						
2. Bag break detector in	n ductwork on exhaust sid		and the state of t				
3, Visible port in line fro	m lime hopper to baghou	ise.	,				

25d) IS EACH MONITOR EQUIPPED WIT	H A RECORDING DEVICE?		O YES	s 🔘 NO			
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:							
Lime flow to baghouse.							
				ļ			
e) IS EACH MONITOR REVIEWED FOR BASIS?	ACCURACY ON AT LEAST A (QUARTERLY	YE	s 🛭 NO			
IF NO, EXPLAIN:							
Thermocouple is checked again		•		- 1			
calibrated thermocouple at leaste 2. Semi-annual training for opacit	•	10 CFR Pa	an 63.15 IU(b)(4)(I). '			
2. Cetti dilitadi dalimigi ici opadi.	.,.			ļ			
f) IS EACH MONITOR OPERATED AT OPERATION?	ALL TIMES THE CONTROL EQU	JIPMENT IS	IN YE	s 🛇 no			
IF NO, EXPLAIN:							
Opacity determinations made whe	en point source visible emi	ssions occ	curs. Daily VE che	ecks.			
		•					
26) PROVIDE INFORMATION ON THE M							
PURPOSES OF THE DETERMINATI DATE, TEST METHOD USED, TEST	• • • • • • • • • • • • • • • • • • • •						
SUMMARY OF RESULTS. IF ADDIT	TONAL SPACE IS NEEDED, AT	TACH AND L	ABEL AS EXHIBIT 26	50-1;			
TEST DATE TEST METHOD	TESTING COMPANY	OPERAT CONDITION		RY OF RESULTS			
08/2009 EPA 26	E. Alley & Assoc.	USEPA	See Tes	t Report			
08/2009 EPA 23	E. Alley & Assoc.	USEPA	A See Tes	st Report			
08/2009 EPA 5	E. Alley & Assoc.	USEPA	A See Tes	st Report			
27) DESCRIBE ALL REPORTING REQU	JIREMENTS AND PROVIDE THE	TITLE AND	FREQUENCY OF RE	PORT			
SUBMITTALS TO THE AGENCY:							
REPORTING REQUIREMENTS	TITLE OF REPORT		FREQUE	ENCY			
40 CFR Part 63.1516(a)	SSM Report		When not cover	red in OMM			
40 CFR Part 63.1516(b)	Excess Emissions Re	port	Semi-annual				
40 CFR Part 63.1516(c) Compliance Certification Annual							
			<u>,</u>				
	CAPTURE AND COM	ITBOL					
28) DESCRIBE THE CAPTURE SYSTEM			NSPORT EMISSIONS	TO THE			
CONTROL EQUIPMENT. INCLUDE USED AT EACH EMISSION POINT.							
,,, =, =, =		,,		·=·· - -,			
See Exhibit 260-2a							

		CAPTURE SYSTEM		PICTED IN	THE FLOW	O YES	⊠ NO
IF NO,	DIAGRAM CONTAINED IN THIS APPLICATION? IF NO, A SKETCH SHOWING THE FEATURES OF THE CAPTURE SYSTEM SHOULD BE ATTACHED AND LABELED AS EXHIBIT 260-3:						
30) PROVI DESTF COMBI TO BE	DE THE ACTUAL (N CUCTION/REMOVAI NATION OF THE C CONTROLLED. AT	MINIMUM AND TYPIC LEFFICIENCY, AND APTURE SYSTEM AI TACH THE CALCUL	AL) CAPTURE S' THE OVERALL R ND CONTROL EC ATIONS, TO THE	EDUCTION UIPMENT EXTENT T	I EFFICIENCY I FOR EACH RE HEY ARE AIR I	PROVIDED BY TI GULATED AIR P	HE OLI LITANT
WHICH	THESE EFFICIEN	CIES WERE BASED	AND LABEL AS E	XHIBIT 260	0-4:		., _ 5,
a) CONT	ROL PERFORMAN						
	REGULATED AIR	CAPTURE EFFICIEN	ICY (%)	EFFICIE	EQUIPMENT ENCY (%)	OVERALL REI EFFICIENC	- +
i N/A	POLLUTANT	(MIN)	(TYP)	(MIN)	(TYP)	(MIN)	(TYP)
ii N/A	···						
iii ———							
-							
iv. EXI	PLAIN ANY OTHER RE LANT TEMPERATURE	QUIRED LIMITS ON CO	NTROL EQUIPMEN	TPERFORM	IANCE SUCH AS	OUTLET CONCENT	RATION,
	war in Eran Dra	-, -, -, -,					
b) METH	OD USED TO DETE	RMINE EACH OF TH	E ABOVE FEEIC	ENCIES /E	G STACK TE	ST MATERIAL R	AL ANCE
MANU	FACTURER'S GUA	RANTEE, ETC.) AND	THE DATE LAS	T TESTED,	IF APPLICABL	E:	ADANCE,
		EFFICIENCY DETERMI	NATION METHOD			DATE TEST	
CAPTUR	re: N/A						
CONTRO	DL:						
OVERAL	L:						
		•					
c) REQUI	RED PERFORMAN	CE:					
	GULATED AIR POLLUTANT	CAPTURE SYSTEM EFFICIENCY (%)	CONTROL EQUIPMENT EFFICIENCY (%	RE	VERALL DUCTION FICIENCY (%)	APPLICABLE	RULE
I N/A	· · · · · ·			1			·
1 14/7				-	-		
iii						<u></u>	
iv EXF	LAIN ANY OTHER RE LANT TEMPERATURE	QUIRED LIMITS ON COI , ETC.:	NTROL EQUIPMENT	PERFORM.	ANCE SUCH AS (DUTLET CONCENT	RATION,
				-			
							İ
							}

55

	Tage			***************************************	(31)	EMISSION	INFORMA	TION				
			¹ ACTUAL	EMISSION	RATE		ALLO	ALLOWABLE BY RULE EMISSION RATE			² PERMITTED EMIS	SION RATE
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	5 _{RATE}	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:		36.75			1		()			5,5 tpmo.	36.7
MONOXIDE (CO)	TYPICAL:							()				
LEAD	MAXIMUM:		<0.01			3		()				
	TYPICAL:							()				
NITROGEN	MAXIMUM:		13.50			1		()			2.0 tpmo.	13.6
OXIDES (NOx)	TYPICAL:							()				
PARTICULATE	MAXIMUM:		1.50			1	11.0	(pph)	212.321		0.5 tpmo.	3,3
MATTER (PART)	TYPICAL:							()				
PARTICULATE MATTER <= 10	MAXIMUM:		1.50			1		()				
MICROMETERS (PM10)	TYPICAL:							()				
SULFUR	MAXIMUM;		0.03			3		()				0.03
DIOXIDE (SO2)	TYPICAL:							()	·			
VOLATILE ORGANIC	MAXIMUM:		22,77			1	8.0	(pph)	218.301		3.7 tpmo.	22.5
MATERIAL (VOM)	TYPICAL:							()	218 Sub. TT	25		
OTHER, SPECIFY:	MAXIMUM:							()				
	TYPICAL:							()				
EXAMPLE :	MAXIMUM	5.00	. je i . 27: 9 j. i . i . i Transporta	0.3 GR/DSCF	in Styrespens and Describe Uni-	205 (15. 15) 305 (15. 15)		3 <i>S/HR</i>); [2]	242.321。闸	26.28	900 - 5.5 LBS/HR	22
MATTER	TYPICAL	4.00	14.4	0.24 GR/DSCF	rifigantings Internation	4	5.5 (LE	3S/HR)	(c) 212/321 (c) 212/321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

The summan of the permit of th

	TION	1	ACTUAL E	MISSION RATE	ALLOWABLE BY RULE			
NAME OF HAP EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM	⁵ RATE OR STANDARD	APPLICABLE RULE
1CI 7	7647-01-0	MAXIMUM:		0.53	0.17 tpmo.	1	0.40 lb/ton	40 CFR 63.1505(i)(4
Dioxins & Furans . N	N/A	MAXIMUM: TYPICAL:					15.0 ug TEF/Mg	40 CFR 63.1505(j)(3
		MAXIMUM: TYPICAL:	- (
·		MAXIMUM:	·					
		MAXIMUM:			,			
		MAXIMUM: TYPICAL:	,					
		MAXIMUM:						
		MAXIMUM: TYPICAL:					: : : : : : : : : : : : : : : : : : :	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-6.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

¹PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

^{*}DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

*RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION 33) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT						
DISCHARGES INDOORS, DO NOT	COMPLETE THE REMA	INING ITEMS.	, and the second			
Stack on exhaust side of 34) DISTANCE TO NEAREST PLANT BO		LIST POINT DISCH	ARCE (ED:			
	60	10311 ON DIOCIL	1100 (11).			
35) DISCHARGE HEIGHT ABOVE GRAI						
,	60					
36) GOOD ENGINEERING PRACTICE (GEP) HEIGHT, IF KNOV Unknown	VN (FT):				
37) DIAMETER OF EXHAUST POINT (F 1.128 TIMES THE SQUARE ROOT	T): NOTE: FOR A NOT OF THE AREA.		ST POINT, THE DIAMETER IS			
38) EXIT GAS FLOW RATE	a) MAXIMUM (ACFI	Λ):	b) TYPICAL (ACFM):			
	75,0	000	74,000			
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):			
•	17	6	170			
40) DIRECTION OF EXHAUST (VERTIC	AL, LATERAL, DOWNV	vard): Vertical	Upward			
41) LIST ALL EMISSION UNITS AND C	ONTROL DEVICES SER	RVED BY THIS EXHA	UST POINT:			
. NAME		FLO'	W DIAGRAM DESIGNATION			
^{a)} Baghouse No. 1		BH1				
b) Rotary Furnace No. 1		RF1				
c) Rotary Furnace No. 2		RF2				
d)						
e)			***************************************			
f)						
g)						
42) WHAT PERCENTAGE OF THE CO	NTROL EQUIPMENT EI	MISSIONS ARE BEIN	IG DUCTED TO THIS			
EXHAUST POINT (%)?	100		!			
43) IF THE PERCENTAGE OF THE CO						
NOT 100%, THEN EXPLAIN WHEF	E TE REMINIME EN	MOSIONS ARE DEIN	G EXHAUSTED TO.			
			•			
THE FOLL STAND NOT COME TO SERVICE STANDARD	W DE CURBUSE IS DE :-	1 37 8 7 7 8 1 4 5 2 5				
THE FOLLOWING INFORMATION NEED ON 44a) LATITUDE:	LY BE SUPPLIED IF READ	b) LONGITUDE:				
45) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			

Exhibit 260-2a

Description of Capture System IMCO Recycling of Illinois, Inc.

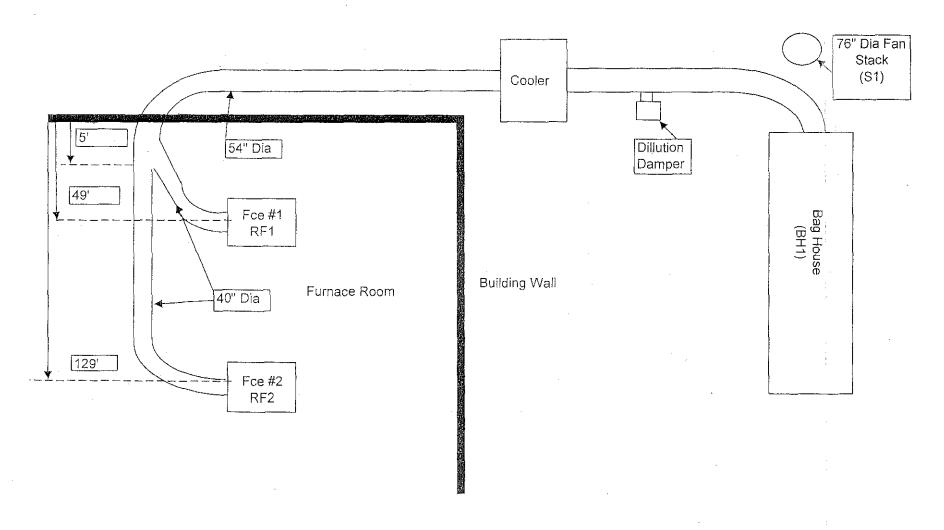
Air emissions from the two Rotary Furnaces are captured and ducted to the Bag House (BH1) by twin blower fans connected on the exhaust side of the Bag House. These emissions are vented through a single stack (S1)

Each of the two Rotary Furnaces has dedicated metal enclosures that capture air emissions from the furnaces. These enclosures are each 11 feet wide and 16 feet long. The fronts of the enclosures have two doors that open from the top and the side. The back wall of each enclosure has a "wiper" section that moves as the furnace is raised up and down. The enclosures have a pyramid shaped roof that is topped by the exhaust duct. This duct is 21 feet from the ground and is 40" in diameter.

The duct from each furnace enclosure extends to the east wall of the Furnace Room (approximately 108 feet for the Rotary No. 2 (RF2) duct, and approximately 14 feet for Rotary No. 1 (RF1) duct). These two ducts join together near the east wall, and then the joined duct passes to the outside and turns south where the duct diameter is increased to 54". The joined duct continues south to the Cooler. The Cooler is a metal tower containing numerous air cooled tubes that reduce the temperature of the furnace exhaust gases. The exhaust duct from the Cooler continues south to the Bag House (BH1). A cold air damper is situated in the duct-work half way between the Cooler and the Bag House. This damper is automatically adjusted using a controller that monitors the Bag House inlet temperature. When the duct reaches the Bag House, side ducts attach to the main duct and are connected to each of the eight Bag House cells.

Each Bag House cell has 288 filter bags that are 5" in diameter and 160" long. The filtered gas from each cell is exhausted to a duct at the top of the Bag House. At the east end of the Bag House, this main duct splits into two parts, with one part leading to the North Fan and the other to the South Fan. After passing through the fans, the exhaust gas is ducted directly to a single Bag House stack (S1).

Exhibit 260-3a IMCO Recycling of Illinois, Inc.





ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506

SPRINGFIELD, ILLINOIS 62794-9506

BH1

OPEN PRESSURE OTHER, SPECIFY:

FOR A	PPLIC	ANT	'S USE	
Revision#				
Date:	/		_ /	
Page		_ of		
Source De	signat	ion:		

SUPPLEMENTAL FORM AIR POLLUTION CONTROL **EQUIPMENT** FILTER (260C)

41,328

SHAKER

OTHER, SPECIFY:

1) FLOW DIAGRAM DESIGNATION OF FILTER:

2) FILTER CONFIGURATION (CHECK ONE):

3) DESCRIBE FILTER MATERIAL:

Nomex/Polyester

4) FILTERING AREA (SQUARE FEET):

6) CLEANING METHOD

7) NORMAL RANGE OF PRESSURE DROP:

8a) INLET EMISSION STREAM PARAMETERS:

MOISTURE CONTENT (% BY VOLUME):

b) MEAN PARTICLE DIAMETER (MICRONS):

PARTICULATE INLET LOADING (GRAINS/SCF):

•		
ID NUMBER:		NET PARTIE COMPANY AND A STATE OF THE STATE
IFORMATION		· · · · · · · · · · · · · · · · · · ·
CLOSED PRESS	SURE 🗵	CLOSED SUCTION
(FEET/MIN):		
	1.82:1	
ERSE AIR D PUL	SE AIR	O PULSĘ JET
(IVI)	CH H ₂ 0)	
i	ID NUMBER: CONTROL EQUIPMENT DATE: IFORMATION CLOSED PRESS 5) AIR TO CLOTH RATION (FEET/MIN): ERSE AIR PUL	CONTROL EQUIPMENT #: DATE: IFORMATION CLOSED PRESSURE 5) AIR TO CLOTH RATIO (FEET/MIN): 1.82:1

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

Unknown

APPLICATION PAGE

MAX

Unknown

2.5

FOR APPLICANT'S USE

TYPICAL

Unknown

2.5

9) FILTER OPERATING PARAMETERS:		
	DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
INLET FLOW RATE (SCFM):	57,500	56,700
INLET GAS TEMPERATURE (DEGREES	07,300	30,700
FAHRENHEIT):	176	170
EFFICIENCY (PM REDUCTION):	(%)	99
EFFICIENCY (PM10 REDUCTION):	(%) Unknown	(%) Unknown
		O TAKIOWIT
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)? CONTINUOUS OPACITY VISUAL OPACITY RI	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR
	Continuous bag break	detector
11) DESCRIBE ANY RECORDING DEVICE AND FREQUENCY O	F LOG ENTRIES:	
NESHAP server polls the bag break detector every 5 average measurements in % of scale.	seconds and accumula	ates 6 minute block
		·.
12) DESCRIBE ANY FILTER SEEDING BEING PERFORMED:		
Lime injection per NESHAP OMM plan.		
		į
		į.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE						
Revision #:						
Date: / /						
Page of						
Source Designation:						

•	Source Designation:
	FOR AGENCY USE ONLY
FUEL COMBUSTION EMISSION UNIT	ID NUMBER:
DATA AND INFORMATION	EMISSION POINT #:
	DATE:
SUIDUE IN	FORMATION
1) SOURCE NAME:	,
IMCO Recycling of Illinois, Inc.	
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE
	NFORMATION
4) NAME OF EMISSION UNIT: Furnace Holder No. 1	
5) NAME OF PROCESS:	
Deox Shot Casting	
6) DESCRIPTION OF PROCESS:	
Holding furnace for molten alumi	inum with deox shot caster and sow casting
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	ACTIVITY ACCOMPLISHED:
Deox shot and/or aluminum sows	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
FH1	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
Lindbergh	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
N/A	N/A
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2006
OF THE EMISSION STATE (MOTORE OF PLANNED)	b) OPERATION (MONTH/YEAR):
	12/2006
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HAVE M	ORE THAN ONE MO	DE OF	OPERATION'	?	\bigcap	ES NO		
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COVERED BY THIS FORM (NOTE: A SEPARATE PROCESS EMISSION UNIT FORM 240-CAAPP MUST BE COMPLETED FOR EACH MODE):								
Holder is 17,500 lb. maximum ca	pacity, direct natu	ıral ga	s fired with	a 5,000,000	BtU/F	ır burner.		
			tudu ditata ta tintuata Alfan		** ::*: * *	n militar sunt includes		
15/ DDOVIDE THE NAME AND DECICNA	TION OF ALL AID D	~! ! () <u>-</u>	211 221 222		= =			
15) PROVIDE THE NAME AND DESIGNA EMISSION UNIT, IF APPLICABLE (FC MUST BE COMPLETED FOR EACH I	RM 260-CAAPP AN	THE A	APPROPRIATI	E 260_CAAPP	CONTI ADDEN	ROLLING THIS IDUM FORM		
None								
16) WILL EMISSIONS DURING STARTUF	PEXCEED FITHER T	HE ALL	OWARI E EM	ISSION				
RATE PURSUANT TO A SPECIFIC RI ESTABLISHED BY AN EXISTING OR	ULE. OR THE ATLOY	VABLE	EMISSION LIN	MIT AS	U YI	≣s ⊠ NO		
IF YES, COMPLETE AND ATTACH FO EXCESS EMISSIONS DURING STAR	DRM 203-CAAPP, "R TUP OF EQUIPMEN	EQUES T".	T TO OPERA	TE WITH				
17) PROVIDE ANY LIMITATIONS ON SOL STANDARDS (E.G., ONLY ONE UNIT	JRCE OPERATION A IS OPERATED AT A	AFFECT	ING EMISSIO	NS OR ANY \	WORK F	PRACTICE		
See Construction Permit No. 0608	0013. issued Nov	embe	r 1. 2006.					
		·,,	, 1, 2000.					
				·				
	OPERATING I	NEOR	ΜΛΤΙΩΝ	······································				
18) ATTACH THE CALCULATIONS, TO TH	HE EXTENT THEY A	RE AIR	EMISSION R	LATED, FRO	M WHIC	CH THE		
FOLLOWING OPERATING INFORMAT BASED AND LABEL AS EXHIBIT 240-	NON. MATERIAL US	AGE IN	JEORMATION	AND FUEL LI	SAGE	DATA WERE		
19a) MAXIMUM OPERATING HOURS	HOURS/DAY:		DAYS/WEE	K: .	WEE	(S/YEAR:		
: 	24		7		52			
b) TYPICAL OPERATING HOURS	HOURS/DAY:		DAYS/WEE	K:	WEER	(S/YEAR:		
	24		7		12			
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR	-MAY(%):	JUN-AUG(%	1 -	SEP-NOV(%):		
•	25	25		25	•	25		
		<u> </u>						
	FIRING RATE I	NFOR	MATION					
21a) RATED OR DESIGN HEAT INPUT CA			:	-				
			5.0					
b) IS MORE THAN ONE FUEL FIRED AT	LA TIME?				YES	⊗ NO		
) IEO	G NO		
IF YES, EXPLAIN:								

THE BURNER IS LOCATI	Y IS 100 MILLION BTU/HOME IS DEFINED AS THAT BED, THE FURNACE SIDE TROW OF CONVECTION	VOLUME BOUND WATERWALL, AN	ED BY THE FRO	NT FURNACE W	ALL WHERE		
		NATURAL GAS	FUEL OIL	COAL	OTHER		
d) SINGLE FUEL (MAXIMUN MILLION BTU/HOUR)	A -	5.0	N/A	N/A	N/A		
e) SINGLE FUEL (TYPICAL MILLION BTU/HOUR)	_	5.0	N/A	N/A	N/A		
f) COMBINED FUEL (TYPIC MILLION BTU/HOUR) (IF		N/A	N/A	N/A	N/A		
	NATUR	RAL GAS FIRI	NG				
22a) CURRENT ORIGIN OF NATURAL GAS: Second Pipeline (FIRM CONTRACT) Second Product, Specify Origin:							
b) TYPICAL HEAT CONTEN	IT (BTU/SCF):						
c) MAXIMUM CONSUMPTION	SCF/MONTH: 3,600,000		SCF/YEAR 42,900				
d) TYPICAL CONSUMPTION	SCF/MONTH: 824,000		SCF/YEAR: 9,900,000				
		OIL FIRING					
23a) OIL TYPE (CHECK ONE		OIL FIXING					
	NO. 1	□ NO. 2	NO. 4	NO. 5	O NO. 6		
	OTHE	R, SPECIFY (INC	LUDE GENERAT	or or supplie	ER):		
b) TYPICAL HEAT CONTER	NT:		USED ONLY AS RVE FUEL?	A O YE	s O NO		
O BTU/LB - OR - (D BTU/GAL				•		
d) TYPICAL SULFUR CON	TENT AS FIRED (WT %):	e) TYPIC	CAL ASH CONTE	NT AS FIRED (W	工%):		
f) MAXIMUM CONSUMPTION	GAL/MONTH:		GAL/Y	EAR:			
g) TYPICAL CONSUMPTION	GAL/MONTH:		GALY	EAR:			
h) FIRING DIRECTION:	O HORIZONTAL	O TANGEN	NTIAL O	OTHER, SPECIF	Y:		

	SOLID FU	EL FIRING			
*24a) SOLID FUEL TYPE (CHECK ALL THAT APPLY):	SUB-BITUMINOUS COAL	LIGNITE C	COAL	O BITUMINO	OUS COAL
0	ANTHRACITE COAL	OTHER,	SPECIFY:		·
b) TYPICAL HEAT CONTENT AS	FIRED (BTO/LB):	c) TYPICAL MOIS	TURE CONT	ENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTENT A	S FIRED (WT %):	e) TYPICAL ASH	CONTENT AS	S FIRED (WT %):	
f) TYPICAL FINES CONTENT (% I	.ESS THAN 1/8 INCH):	g) IS THE COAL CLEANED?		YES	O NO
h) HOW MUCH COAL REFUSE IS	IN THE FUEL? (WT %):	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
i) MAXIMUM CONSUMPTION	TON/MONTH:		TON/YEAR		
j) TYPICAL CONSUMPTION	TON/MONTH:		TONYEAR		
k) FIRING TYPE (CHECK ONE):	TRAVELING GRATI	E O SPE	READER STO % REINJE		
	CYCLONE		VERIZED, T ET BOTTOM	YPE (CIRCLE ON DRY BOT	
	HORIZONTALLY OPPOSED	О отн	IER, SPECIF	Y:	
*NOTE: IF REQUIRED, SUBMIT CO SPECIFICATIONS OF THE FUEL AI COAL, SUBMIT APPROPRIATE PO ARE BLENDED AND ACTUALLY FII	ND THE DURATION OF TH RTIONS OF ALL FUEL CC	HE CONTRACT. IF TO NTRACTS AND STA	THE ACTUAL ATE THE MA	. FUEL FIRED IS	A BLEND OF
	OTHER FL	JEL FIRING			
25a) OTHER FUEL FIRING a)	TYPE		S	UPPLIER	
b)					
b) TYPICAL HEAT CONTENT (SP	ECIFY UNITS):	c) TYPICAL NITROGEN CONTENT AS FIRED (WT %):			WT %):
d) TYPICAL SULFUR CONTENT A	AS FIRED (WT %):	e) TYPICAL ASH	CONTENT A	S FIRED (WT %):	:
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS/MON	ітн):	(SPECIFY	UNITS/YEAR):	
g) TYPICAL CONSUMPTION	(SPECIFY UNITS/MON	ITH):	(SPECIFY	UNITS/YEAR):	

APPLICABLE RULES							
26) PROVIDE ANY SPECIFIC EMISSION STANDARD IAC 212.206, <= 0.10 LBS/MMBTU):	O(S) AND LIMITATION(S) SET BY RULE(S) WHICH	ARE APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER,					
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)					
Visible Emissions (fugitive)	35 IAC 212.301	No off-site visible fugitive emissions					
Particulate matter	35 IAC 212.321	PM <= 7.96 lb/hr @ 8.5 tph max. process rate					
Organic material	35 IAC 218.301	Organic material <= 8 lbs/hr					
27) PROVIDE ANY SPECIFIC RECORDKEEPING RU	I E(S) WHICH ARE APPLICABLE TO THIS EMISSION	ON UNIT					
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)					
28) PROVIDE ANY SPECIFIC REPORTING RULE(S)	WHICH ARE APPLICABLE TO THIS EMISSION UN	IT:					
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)					
29) PROVIDE ANY SPECIFIC MONITORING RULE(S)	WHICH ARE APPLICABLE TO THIS EMISSION UI	NIT:					
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)					
30) PROVIDE ANY SPECIFIC TESTING RULES AND/	OR PROCEDURES WHICH ARE APPLICABLE TO	THIS EMISSION UNIT:					
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)					
	,						
	•	· · · · · · · · · · · · · · · · · · ·					

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31) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP LE RULE?	TION FROM AN	O YES NO					
IF YES, THEN LIST BOTH THE RULE FROM WHICH IT IS EXEMPT AND THE RULE WHICH ALLOWS THE EXEMPTION. PROVIDE A DETAILED EXPLANATION JUSTIFYING THE EXEMPTION. INCLUDE DETAILED SUPPORTING DATA AND CALCULATIONS. ATTACH AND LABEL AS EXHIBIT 240-3, OR REFER TO OTHER ATTACHMENT(S) WHICH ADDRESS AND JUSTIFY THIS EXEMPTION.								
	COMPLIANC	E INFORMATION						
32) IS THE EMISSION UNIT REQUIREMENTS?	IN COMPLIANCE WITH ALL AF	PPLICABLE	≥ YES NO					
	CAAPP "COMPLIANCE PLAN/ UNITS" MUST BE COMPLETE							
33) EXPLANATION OF HOW	/ INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, D	DEMONSTRATED:					
 AP-42 and burner rating for combustion of natural gas for emission calculations. Daily visual observation of point source and fugitive emissions. Opacity determination when VE occurs. 								
OA) EVELANATION OF HOLA	LONGOING COMPLIANCE MILE	L DE DEMONSTRATED						
34) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L DE DEMONSTRATED,	†					
 Maintaining bur 	mer capacity at or below 5	5,000,000 BtU/hr.						
Daily visual obs	servation of point source a	and fugitive emissions.						
Opacity determ	ination when VE occurs.							
	M emissions on a 12 mor	nth rolling average, as sp	ecified in Construction					
Permit No. 060800		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Johnson and Godoni					
1 CHIII 140. 000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-					
·								
	TING, MONITORING, REC							
	IS THAT RELATE TO AIR EMIS LE APPLICABILITY OR COMPI		OS ARE BEING MAINTAINED TO					
	EMENT, AND THE FREQUENC							
		`	·					
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMEN	T FREQUENCY					
Visible emissio	presence	visual	once each day					
l I = "		1						
Opacity	%	visual	when VE occurs					
Natural gas	% scf	gas meter	when VE occurs once each day					

RECORDED PARAMET	ER INCLUDE THE METHOD	CORDS WILL BE CREATED AND MAD OF RECORDKEEPING, TITLE OF PONTACT FOR REVIEW OF RECORD	ERSON RESPONSIBLE FOR
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON
Visible emissio	Daily log	Production supervisor	Plant Manager
Opacity	Daily log	Production supervisor	Plant Manager
Natural gas	Heat sheet	Production supervisor	Plant Manager
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY	DEMONSTRATED BY REVIEW OF	X YES NO
IF NO, EXPLAIN:			
			L
•			
d) ARE ALL RECORDS REA SUBMITTAL TO THE AG		PECTION, COPYING AND	X YES NO
IF NO, EXPLAIN:			
36a) DESCRIBE ANY MONIT	FORS OR MONITORING AC	TIVITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR
Daily visible emissi	on determinations.		
1	rminations when point s sure natural gas usage.	source visible emissions preser	nt.
3. Gas meter to meas	oure naturar yas usaye.		
b) WHAT PARAMETER(S)	IS(ARE) BEING MONITOREI	D (E.G., OPACITY)?	
Presence of visible	emissions.		
2. Opacity.3. Natural gas usage			
o. Natarar gus usage	•		
c) DESCRIBE THE LOCAT	ION OF EACH MONITOR (E.	.G., IN STACK MONITOR):	
		, ,	
Gas meter in gas line	phor to lutriace.		·

36d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	O YES 🛛 NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:	
Gas meter.	•
	· ·
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	U YES ⊠ NO
IF NO, EXPLAIN:	
Semi-annual training for opacity.	
Annual maintenance checks for gas meter.	
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UN	IT IS YES X NO
IN OPERATION?	J 125 J 115
IF NO, EXPLAIN:	
Visible emission determination made once per day during daylight he	
Opacity measurements made only when visible emission of point so	urce occurs
37) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH TH	DE DECIDITE ADELICED FOR
PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COM	MPLIANCE. INCLUDE THE TEST
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS E SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LA	
. OPERATIN	ig
TEST DATE TEST METHOD TESTING COMPANY CONDITION	NS SUMMARY OF RESULTS
N/A	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND F	REQUENCY OF REPORT
SUBMITTALS TO THE AGENCY:	
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY
Permit 06080013, cond. 9 Deviation Report	<= 30 days after deviation

				~	(39)	EMISSION	INFORM	ATION				
					ALLO	ALLOWABLE BY RULE EMISSION RATE			² PERMITTED EMISSION RATE			
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	5 _{RATE}	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:	0.41	1.80			AP42 3		()	G g		0.50 lb/hr	2.00
MONOXIDE (CO)	TYPICAL:	0.41	0.42			AP42 3		()				
LEAD	MAXIMUM:	<0.01	<0.01			AP42 3		()			0.01 lb/hr	0.04
	TYPICAL:	<0.01	<0.01			AP42 3		()				
NITROGEN	MAXIMUM:	0.49	2.15			AP42 3		_()			0.50 lb/hr	2.50
OXIDES (NOx)	TYPICAL:	0.49	0.49			AP42 3		()				
PARTICULATE	MAXIMUM:	0.04	0.16			AP42 3	7,96	3 (lb/hr)	212.321	34.9	0.10 lb/hr	0.44
MATTER (PART)	TYPICAL:	0.04	0.04			AP42 3		()				
PARTICULATE MATTER <= 10	MAXIMUM:							()				
MICROMETERS (PM10)	TYPICAL:				,			()				
SULFUR	MAXIMUM:	<0.01	0.01			AP42 3		()			0.01 lb/hr	0.04
DIOXIDE (SO2)	TYPICAL:	<0.01	<0.01			AP42 3		()				
VOLATILE ORGANIC	MAXIMUM:	0.03	0.12			AP42 3		()			0.1 lb/hr	0.50
MATERIAL (VOM)	TYPICAL:	0.03	0.03			AP42 3		()				
OTHER, SPECIFY:	MAXIMUM:							()			The second secon	
	TYPICAL:							()				
EXAMPLE PARTICULATE	MAXIMUM	4 5.00 T	21.9	0.3 = GR/DSCF			6.0 (L	BS/HR)	212,321	26.28	5.5 LBS/HR	22 Lan Language
MATTER	TYPICAL	4.00	14.4	0.24 GR/DSCF	ings, s. v7 Trésasina	Andria Andria	5.5 (L	BS/HR)	212,321	19,80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-5.

¹ CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.
3 PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) 5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(4)) HAZARDOUS .	AIR POLLUTAN	T EMISSION I	NFORMATI	ON	- A \$2500	
HAP INFORM	NOITA		☐ ¹ ACTUAL EMISSION RATE ☐ ¹ UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE		
NAME OF HAP EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM	⁵ RATE	OR STANDARD	APPLICABLE RULE
		MAXIMUM:							
		TYPICAL:						1	
		MAXIMUM:		· · · · · · · · · · · · · · · · · · ·					
		TYPICAL:							,
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:							
A		MAXIMUM:	· · · · · · · · · · · · · · · · · · ·						
		TYPICAL:	:					- <u> </u>	
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:		-					
EXAMPLE Benzene	7,1432	MAXIMUM	10.0	0.8		2 2	Entire Committee of Contract C	wi control device	CFR 61:

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-6.

¹PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY. ²CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

TOAS - CHEMICAL ABSTRACT SERVICE NUMBER.

3PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

EXHAUST POINT INFORMATION								
THIS SECTION SHOULD NOT BE COMPLETED IF EMISSIONS ARE EXHAUSTED THROUGH AIR POLLUTION CONTROL EQUIPMENT.								
41) FLOW DIAGRAM DESIGNATION OF EXHAUST POINT: S3								
42) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.								
Stack .								
43) DISTANCE TO NEAREST PLANT BOX	JNDARY FROM EXHAL	JST POINT DISCH	ARGE (FT):					
Approximately 300 ft. from N		erty boundaries						
44) DISCHARGE HEIGHT ABOVE GRADE	(FT):							
62.5								
45) GOOD ENGINEERING PRACTICE (GI	P) HEIGHT, IF KNOW	N (FT):						
Unknown								
46) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA. 2.5								
47) EXIT GAS FLOW RATE	a) MAXIMUM (ACFM)		b) TYPICAL (ACFM):					
·	1,100		1,100					
48) EXIT GAS TEMPERATURE	a) MAXIMUM (°F): 700		b) TYPICAL (°F): 700					
49) DIRECTION OF EXHAUST (VERTICAL	LATERAL DOWNWA	ARD):						
Vertical upward	-,							
50) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SERV	'ED BY THIS EXHA	AUST POINT:					
NAME		FLO	W DIAGRAM DESIGNATION					
a) Furnace Holder No. 1		FH1						
b)								
c)								
d)								
e)								
THE FOLLOWING INFORMATION NEED ONLY								
51a) LATITUDE:	þ) LONGITUDE:						
52) UTM ZONE:	b) UTM VERTICAL (K	M):	c) UTM HORIZONTAL (KM):					

			·
 	,		
			·
	•		
	·		
·			

Exhibit 240-1c IMCO Recycling of Illinois, Inc.

PROVIDE ANY SPECIFIC EMISSION STANDARD D. 10 LBS/MMBTU):	APPLICABLE RULES (cont.) O(S) AND LIMITATION(S) WHICH ARE APPLICABLE TO THIS E	EMISSION UNIT (E.G., PARTICULATE MATTER, IAC 212,206<=
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
Particulate matter	Construction Permit No. 06080013, condition 2	$PM \le 0.1 \text{ lb/hr and} \le 0.44 \text{ tpy}$
Opacity	35 IAC 212.123(a) & (b) and 212.124	Opacity <= 30%



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL – PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLIC	ANT	'S USE
Revision #:			
Date:	_ /		_ /
Page		_ of	
Source Desi	gnat	ion:	

FOR AGENCY USE ONLY

	ID NUMBER:
FUEL COMBUSTION EMISSION UNIT	
DATA AND INFORMATION	EMISSION POINT#:

ID NOME	DEN.	
EMISSIC	N POINT#:	
DATE:		

SOURCE IN	FORMATION
1) SOURCE NAME:	
IMCO Recycling of Illinois, Inc.	
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE

GENERAL II	NFORMATION
4) NAME OF EMISSION UNIT:	
Furnace Holder No. 2	
5) NAME OF PROCESS:	
Deox Shot Casting	
6) DESCRIPTION OF PROCESS:	
Holding furnace for molten alumi	num with deox shot caster and sow casting
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:
Deox shot and/or aluminum sows	
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:	
FH2	
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):	
Lindbergh	
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):
N/A	N/A
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	12/2006
01 1110 E.1103131 G.111 (1.013) E.111 E.111 E.111	b) OPERATION (MONTH/YEAR):
	12/2006
	c) LATEST MODIFICATION (MONTH/YEAR):
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HAVE MO	DRE THAN ONE MOD	E OF OPERATION?	(YES	NO X
IF YES, EXPLAIN AND IDENTIFY WHI A SEPARATE PROCESS EMISSION U FOR EACH MODE):	CH MODE IS COVER INIT FORM 240-CAAF	ED BY THIS FORM (PP MUST BE COMPL	(NOTE: ETED	0	
Holder is 17,500 lb. maximum cap	acity, direct natur	al gas fired with a	5,000,000 E	3tU/hr bu	rner.
		•			
15) PROVIDE THE NAME AND DESIGNA	TION OF ALL AID BO	LUTION CONTROL	EQUIDMENT (ONTROLL	INIC TUIS
EMISSION UNIT, IF APPLICABLE (FO MUST BE COMPLETED FOR EACH IT	RM 260-CAAPP AND	THE APPROPRIATE	260-CAAPP A		
None					
16) WILL EMISSIONS DURING STARTUP RATE PURSUANT TO A SPECIFIC RI ESTABLISHED BY AN EXISTING OR	JLE, OR THE ALLOW	ABLE EMISSION LIN		YES	⊠ NO
IF YES, COMPLETE AND ATTACH FO EXCESS EMISSIONS DURING STAR			TÉ WITH		
17) PROVIDE ANY LIMITATIONS ON SOI STANDARDS (E.G., ONLY ONE UNIT			NS OR ANY W	ORK PRAC	CTICE
See Construction Permit No. 0608	0013, Issued Nov	ember 1, 2006.			
· .	,	•			
					·
				·- <u>-</u>	
	OPERATING I	NFORMATION		······································	
18) ATTACH THE CALCULATIONS, TO T FOLLOWING OPERATING INFORMA BASED AND LABEL AS EXHIBIT 240	TION, MATERIAL US	AGE INFORMATION	LAND FÜEL US		
19a) MAXIMUM OPERATING HOURS	HOURS/DAY:	DAYSWEE	K:	WEEKS/	YEAR:
1	24	7		52	
b) TYPICAL OPERATING HOURS	HOURS/DAY:	DAYS/WEE	K:	WEEKS/	YEAR:
	24	7		12	
20) ANNUAL THROUGHPUT	DEC-FEB(%):	MAR-MAY(%):	JUN-AUG(9	b): S	EP-NOV(%):
	25	25	25	2	5
<u></u>					
		INFORMATION			
21a) RATED OR DESIGN HEAT INPUT C	CAPACITY (MILLION E	3TU/HR): 5.0			
b) IS MORE THAN ONE FUEL FIRED	AT A TIME?			YES	⊗ NO
IF YES, EXPLAIN:					

THE BURNER IS LOCAT	TY IS 100 MILLION BTU/HO ME IS DEFINED AS THAT V ED, THE FURNACE SIDE V T ROW OF CONVECTION F	/OLUME BOUND! VATERWALL, AN	ED BY THE FRO	NT FURNACE W	VALL WHERE
N/A					
	er a eran da eran eran eran eran eran eran eran era		en en en en en en en en en en en en en e		i. jogadin
		NATURAL GAS	FUEL OIL	COAL	OTHER
d) SINGLE FUEL (MAXIMUI MILLION BTU/HOUR)	V) -	5.0	N/A	N/A	N/A
e) SINGLE FUEL (TYPICAL MILLION BTU/HOUR)		5.0	N/A	N/A	N/A
f) COMBINED FUEL (TYPIC MILLION BTU/HOUR) (IF	AL - APPLICABLE)	N/A	N/A	N/A	N/A
	NATUR	AL GAS FIRI	VG		
22a) CURRENT ORIGIN OF NATURAL GAS:	X PIPELINE (FIRM CO	NTRACT)	☐ BY-PF	RODUCT, SPECI	FY ORIGIN:
	PIPELINE (INTERRU CONTRACT)	JPTIBLE SUPPLY	O OTHE	R, - SPECIFY:	r
b) TYPICAL HEAT CONTEN 1,020	IT (BTU/SCF):				
c) MAXIMUM CONSUMPTION	SCF/MONTH: 3,600,000		SCF/YEAR 42,900		
d) TYPICAL CONSUMPTION	SCF/MONTH: 824,000		SCF/YEAR 9,900,0		
	C	OIL FIRING			
23a) OIL TYPE (CHECK ONE)		□ NO. 2	O NO. 4	O NO. 5	O NO. 6
	OOTHER	R, SPECIFY (INCL	.UDE GENERATO	OR OR SUPPLIE	:R):
b) TYPICAL HEAT CONTEN	VT:		USED ONLY AS A	A NE	s O NO
D btu/lb - or - C				•	
d) TYPICAL SULFUR CONT	ENT AS FIRED (WT %):	e) TYPICA	AL ASH CONTEN	IT AS FIRED (W	Т %):
f) MAXIMUM CONSUMPTION	GAL/MONTH;		GAL/YI	ĒAR:	
g) TYPICAL CONSUMPTION	GAL/MONTH:		GAL/YI	EAR:	
h) FIRING DIRECTION:	O HORIZONTAL	O TANGENT	TIAL O	THER, SPECIFY	<i>(</i> :

· · · · · · · · · · · · · · · · · · ·	SOLID FU	EL FIRING	
*24a) SOLID FUEL TYPE (CHECK ALL THAT APPLY):) sub-bituminous coal	O LIGNITE C	OAL DITUMINOUS COAL
	O ANTHRACITE COAL	OTHER, S	PECIFY:
b) TYPICAL HEAT CONTENT A	S FIRED (BTU/LB):	c) TYPICAL MOIST	TURÉ CONTENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTEN	T AS FIRED (WT %):	e) TYPICAL ASH C	CONTENT AS FIRED (WT %):
f) TYPICAL FINES CONTENT (% LESS THAN 1/8 INCH):	g) IS THE COAL CLEANED?	YES NO
h) HOW MUCH COAL REFUSE	IS IN THE FUEL? (WT %):	<u> </u>	
i) MAXIMUM CONSUMPTION	TON/MONTH;		TONYEAR:
j) TYPICAL CONSUMPTION	TON/MONTH:		TON/YEAR:
k) FIRING TYPE (CHECK ONE):	TRAVELING GRAT	E SPR	EADER STOKER % REINJECTION:
	CYCLONE		VERIZED, TYPE (CIRCLE ONE): ET BOTTOM DRY BOTTOM
	OPPOSED	О отн	IER, SPECIFY:
SPECIFICATIONS OF THE FUEL	. AND THE DURATION OF TI PORTIONS OF ALL FUEL CO	HE CONTRACT. IF T INTRACTS AND STA	LY CONTRACTS WHICH SET FORTH THI THE ACTUAL FUEL FIRED IS A BLEND OF ATE THE MANNER BY WHICH THE FUELS 1.
	OTHER FL	JEL FIRING	
25a) OTHER FUEL FIRING a)	TYPE		SUPPLIER
b)			
b) TYPICAL HEAT CONTENT	(SPECIFY UNITS):	c) TYPICAL NITRO	OGEN CONTENT AS FIRED (WT %):
d) TYPICAL SULFUR CONTEN	IT AS FIRED (WT %):	e) TYPICAL ASH	CONTENT AS FIRED (WT %):
f) MAXIMUM CONSUMPTION	(SPECIFY UNITS/MOI	VTH):	(SPECIFY UNITS/YEAR):
g) TYPICAL CONSUMPTION	(SPECIFY UNITS/MOI	NTH):	(SPECIFY UNITS/YEAR):

	APPLICABLE RUL	
26) PROVIDE ANY SPECIFIC EMISSION STANDARD(IAC 212,206, <= 0,10 LBS/MMBTU);	S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE	E APPLICABLE TO THIS EMISSION UNIT (E.G., PARTICULATE MATTER,
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
Visible Emissions (fugitive)	35 IAC 212.301	No off-site visible fugitive emissions
Particulate matter	35 IAC 212.321	PM <= 7.96 lb/hr @ 8.5 tph max, process rate
Organic material	35 IAC 218.301	Organic material <= 8 lbs/hr
27) PROVIDE ANY SPECIFIC RECORDICEPING RUL	E(S) WHICH ARE APPLICABLE TO THIS EMISSION!	UNIT:
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
28) PROVIDE ANY SPECIFIC REPORTING RULE(S) W	VHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
29) PROVIDE ANY SPECIFIC MONITORING RULE(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT	:
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
	'	
30) PROVIDE ANY SPECIFIC TESTING RULES AND/O	OR PROCEDURES WHICH ARE APPLICABLE TO TH	IS EMISSION UNIT :
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)
,		

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1) DOES THE EMISSION U OTHERWISE APPLICAB		EMPTION FROM AN	YES	Ом 🗵
IF YES, THEN LIST BOTI EXEMPTION. PROVIDE	H THE RULE FROM WHIC A DETAILED EXPLANATION	CH IT IS EXEMPT AND THE RU ON JUSTIFYING THE EXEMPT	TION. INCLUDE DE	TAILED
	D CALCULATIONS, ATTA H ADDRESS AND JUSTIF	ACH AND LABEL AS EXHIBIT 2 Y THIS EXEMPTION.	40-3, OR REFER TO	OTHER
	COMPLIA	ANCE INFORMATION		
2) IS THE EMISSION UNIT REQUIREMENTS?	IN COMPLIANCE WITH A	LL APPLICABLE	× YES	O NO
		LAN/SCHEDULE OF COMPLIA LETED AND SUBMITTED WITH		
3) EXPLANATION OF HOW	VINITIAL COMPLIANCE IS	TO BE, OR WAS PREVIOUS	Y, DEMONSTRATE	D:
	-	stion of natural gas for em		ns.
	oservation of point sou mination when VE occ	urce and fugitive emission	IS.	
o. Opasity dotter	illingion whom ye ooc	outo.		
			•	
34) EXPLANATION OF HOV	V ONGOING COMPLIANCI	E WILL BE DEMONSTRATED:	····	
•		E WILL BE DEMONSTRATED:		
Maintaining bu	rner capacity at or bel			
Maintaining bu Daily visual ob Opacity detern	rner capacity at or bel servation of point sour rination when VE occu	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s	
 Maintaining bu Daily visual ob Opacity determ Calculation of I 	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions	s	nstruction
Maintaining bu Daily visual ob Opacity detern	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s	nstruction
 Maintaining bu Daily visual ob Opacity determ Calculation of I 	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s	nstruction
 Maintaining bu Daily visual ob Opacity determ Calculation of I 	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s	nstruction
Maintaining bu Daily visual ob Opacity determ Calculation of I	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s.	nstruction
Maintaining bu Daily visual ob Opacity determ Calculation of I	rner capacity at or bel servation of point sour nination when VE occu PM emissions on a 12	low 5,000,000 BtU/hr. rce and fugitive emissions urs.	s.	nstruction
1. Maintaining bu 2. Daily visual ob 3. Opacity determ 4. Calculation of I Permit No. 06080 TES	rner capacity at or bel servation of point soun ination when VE occupM emissions on a 12 013.	low 5,000,000 BtU/hr. rce and fugitive emissions urs. remonth rolling average, a	s specified in Co	
1. Maintaining bu 2. Daily visual ob 3. Opacity detern 4. Calculation of I Permit No. 06080 TES 35a) LIST THE PARAMETE DETERMINE FEES, RI	rner capacity at or bel servation of point soun ination when VE occupM emissions on a 12 013. TING, MONITORING, RS THAT RELATE TO AIR ULE APPLICABILITY OR C	low 5,000,000 BtU/hr. rce and fugitive emissions urs. 2 month rolling average, a	s specified in Co B REPORTING CORDS ARE BEING UNIT OF MEASURE	MAINTAINED TO MENT, THE
1. Maintaining bu 2. Daily visual ob 3. Opacity detern 4. Calculation of I Permit No. 06080 TES 35a) LIST THE PARAMETE DETERMINE FEES, RI	rner capacity at or bel servation of point soun ination when VE occupM emissions on a 12 013. TING, MONITORING, RS THAT RELATE TO AIR ULE APPLICABILITY OR C	low 5,000,000 BtU/hr. rce and fugitive emissions urs. 2 month rolling average, a present the control of the co	s specified in Co or REPORTING CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAI	MAINTAINED TO MENT, THE
1. Maintaining bu 2. Daily visual ob 3. Opacity detern 4. Calculation of I Permit No. 06080 TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUR	rner capacity at or bel servation of point sour ination when VE occupM emissions on a 12 013. TTING, MONITORING, RS THAT RELATE TO AIR ULE APPLICABILITY OR CREMENT, AND THE FREQUENCE.	low 5,000,000 BtU/hr. rce and fugitive emissions urs. 2 month rolling average, a present the control of the co	s specified in Co D REPORTING CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAI	MAINTAINED TO MENT, THE LY, WEEKLY):
1. Maintaining bu 2. Daily visual ob 3. Opacity determ 4. Calculation of I Permit No. 06080 TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUF PARAMETER	rner capacity at or bel servation of point sour ination when VE occupM emissions on a 12 013. TING, MONITORING, RS THAT RELATE TO AIR ULE APPLICABILITY OR CREMENT, AND THE FREQUENT OF MEASUREMEN	low 5,000,000 BtU/hr. rce and fugitive emissions urs. month rolling average, a RECORDKEEPING AND REMISSIONS FOR WHICH RECOMPLIANCE. INCLUDE THE UENCY OF SUCH RECORDS	s specified in Co D REPORTING CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAI EMENT ONCE	MAINTAINED TO MENT, THE LY, WEEKLY): FREQUENCY
1. Maintaining bu 2. Daily visual ob 3. Opacity detern 4. Calculation of I Permit No. 06080 TES 35a) LIST THE PARAMETE DETERMINE FEES, RI METHOD OF MEASUR PARAMETER Visible emissio	rner capacity at or bel servation of point sour ination when VE occup Memissions on a 12 013. TING, MONITORING, RS THAT RELATE TO AIR ULE APPLICABILITY OR CREMENT, AND THE FREQUENT OF MEASUREMENT PRESENCE	low 5,000,000 BtU/hr. rce and fugitive emissions urs. 2 month rolling average, a RECORDKEEPING ANI REMISSIONS FOR WHICH RECOMPLIANCE. INCLUDE THE UENCY OF SUCH RECORDS (METHOD OF MEASURI VISUAL	S specified in Co S specified in Co D REPORTING CORDS ARE BEING UNIT OF MEASURE (E.G., HOURLY, DAI EMENT ONCE Where	MAINTAINED TO MENT, THE LY, WEEKLY): FREQUENCY e each day

RECORDED PARAME	TER INCLUDE THE METHOD	CORDS WILL BE CREATED AND MA O OF RECORDKEEPING, TITLE OF P	ERSON RESPONSIBLE FOR					
RECORDKEEPING, AN		ONTACT FOR REVIEW OF RECORD	S:					
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON					
Visible emissio	Daily log	Production supervisor	Plant Manager					
Opacity	Daily log	Production supervisor	Plant Manager					
Natural gas	Heat sheet	Plant Manager						
)								
	EMISSION UNIT READILY I	DEMONSTRATED BY REVIEW OF	X YES NO					
THE RECORDS?			YES UNO					
IF NO, EXPLAIN:			:					
			·					
d) ARE ALL RECORDS REA SUBMITTAL TO THE AGI	ADILY AVAILABLE FOR INSP ENCY UPON REQUEST?	ECTION, COPYING AND	X YES NO					
IF NO, EXPLAIN:								
			4					
36a) DESCRIBE ANY MONIT COMPLIANCE:	ORS OR MONITORING ACT	IVITIES USED TO DETERMINE FEES	RULE APPLICABILITY OR					
 Daily visible emission 								
Visual opacity determinations when point source visible emissions present. Gas meter to measure natural gas usage								
o. Cas meter to meas	ure natural yas usage		,					
b) WHAT PARAMETER(S) IS	S(ARE) BEING MONITORED	(E.G., OPACITY)?						
Presence of visible								
2. Opacity.								
Natural gas usage.								
c) DESCRIBE THE LOCATION	ON OF EACH MONITOR (E.G	., IN STACK MONITOR):						
Gas meter in gas line p	prior to furnace.							
	•							

36d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	O YES	(X) NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:		
Gas meter.		
		ĺ
·		
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	YES	× NO .
IF NO, EXPLAIN;		
Semi-annual training for opacity.		
Annual maintenance checks for gas meter.		
_		
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION?	O YES	⊗ NO
IF NO, EXPLAIN:		
 Visible emission determination made once per day during daylight hours Opacity measurements made only when visible emission of point source 	Occurs	
2. Opacity measurements made only when visible emission of point source	000013	
37) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RE	SULTS ARE USED	FOR
PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIADATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXIST		
SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL		
OPERATING TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SHIMMARY OF	
	SUMMARTUR	DECI 11 TC
1 (N/A] }	RESULTS
N/A		RESULTS
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY:	UENCY OF REPOR	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY:	UENCY OF REPOR	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS TITLE OF REPORT		
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	
38) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQ SUBMITTALS TO THE AGENCY: REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	

					(39)	EMISSION	NFORMA	TION				
□ ¹ACTUAL EMISSION RATE □ ¹UNCONTROLLED EMISSION RATE				N RATE		ALLOWABLE BY RULE EMISSION RATE				² PERMITTED EMISSION RATE		
REGULATED AIR POLLUTANT		LBS PER HOUR (L8S/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	⁵ RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE (UNITS)	TONS PER YEAR (TONS/YR)
CAKBON	MAXIMUM;	0.41	1.80			AP42 3		()	G g		0.50 lb/hr	2.00
	TYPICAL:	0.41	0.42		٠	AP42 3		()				was a ware
LEAD	MAXIMUM:	<0.01	<0.01			AP42 3		()			0.01 lb/hr	0.04
	TYPICAL:	<0,01	<0.01			AP42 3		()				
OXIDES (NOV)	MAXIMUM:	0.49	2.15			AP42 3		()			0.50 lb/hr	2.50
	TYPICAL;	0.49	0.49	,		AP42 3		()				
MATTER (DART)	MAXIMUM:	0.04	0.16			AP42 3	7.96	(lb/hr)	212.321	34.9	0.10 lb/hr	0.44
	TYPICAL:	0.04	0.04			AP42 3		()				
PARTICULATE MATTER <= 10	MAXIMUM:							()				
MATTER <= 10 MICROMETERS (PM10)	TYPICAL:							()				
SULFUR DIOXIDE (SO2)	MAXIMUM;	<0.01	0.01			AP42 3		()			0.01 lb/hr	0.04
	TYPICAL:	<0.01	<0.01			AP42 3		()				
ORGANIC MATERIAL (VOM)	MAXIMUM:	0.03	0.12			AP42 3		()			0,1 lb/hr	0,50
	TYPICAL:	0.03	0.03			AP42 3		()				
OTHER, SPECIFY:	MAXIMUM:							()				
	TYPICAL:							()				
EXAMPLE:	MAXIMUM	5.00		GR/DSCF	Hilanaziona Sinasoana		6.0 (L	BS/HR)	2/2/32/	26,28	5.5 LBS/HR	22
MATTER - 11	TYPICAC	4.00	74.4	# 0 24# GR/DSGF	a) thereer Ediotic	5 50000 41 114 4	5.5 (L	BS/HR)	212.321	19.80		

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-5.

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¹ CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS. 2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS) ⁵RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(4	0) HAZARDOUS .	AIR POLLUTAN	IT EMISSION I	NFORMATI	ON			
HAP INFORN	HAP INFORMATION		☐ ¹ ACTUAL EMISSION RATE ☐ ¹ UNCONTROLLED EMISSION RATE					ALLOWABLE BY RULE		
NAME OF HAP EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM		⁵ RATE OR STANDARD	APPLICABLE RULE	
		MAXIMUM:	,							
		TYPICAL:							-	
		MAXIMUM:			<u> </u>	-				
		TYPICAL:								
	<u> </u>	MAXIMUM;								
		TYPICAL:								
		MAXIMUM:								
		TYPICAL;								
		MAXIMUM:								
		TYPICAL:								
1 Mg		MAXIMUM:								
		TYPICAL:			·					
Tarres Love Man Land		MAXIMUM:			<u></u>					
		TYPICAL:								
		MAXIMUM:				-		·		
		TYPICAL:								
· · · · · · · · · · · · · · · · · · ·		TYPICAL:			······································					
EXAMPLE		MAXIMUM	10.0	/1.2		2-1-2	1 1 2 9	6% by wt control device	GFR 61	
. ⊫Benzene	71432	TYPIGAL	图 中国 8.0 2. 页层 图] [4] [4] [6] [6] [6] [6] [6] [6] [6] [6] [6] [6	5784 Epototo espesi	2-12	1445	leak-tight trucks	= .61-302(b),(d)	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 240-6.

²CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY.

AS - CHEMICAL ABSTRACT SERVICE NUMBER.

**PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

**DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

**FRATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE:

	EXHAUST POINT	INFORMATION	
THIS SECTION SHOULD NOT BE COMPLETED	IF EMISSIONS ARE EX	HAUSTED THROUGH A	IR POLLUTION CONTROL EQUIPMENT.
41) FLOW DIAGRAM DESIGNATION OF E	XHAUST POINT:		
S4			1
42) DESCRIPTION OF EXHAUST POINT	STACK, VENT, ROO	F MONITOR, INDOO	RS, ETC.). IF THE EXHAUST POINT
DISCHARGES INDOORS, DO NOT CO	OMPLETE THE REMA	AINING ITEMS.	
Stack - A MARKED BAR BAR B			
43) DISTANCE TO NEAREST PLANT BOU	JNDARY FROM EXH	AUST POINT DISCH	ARGE (FT):
Approximately 300 ft. from N	orth and East pro	perty boundaries	·
44) DISCHARGE HEIGHT ABOVE GRADE	(FT):		
62.5			·
45) GOOD ENGINEERING PRACTICE (GI	EP) HEIGHT, IF KNO	WN (FT):	
Unknown			
46) DIAMETER OF EXHAUST POINT (FT)		N CIRCULAR EXHAL	IST POINT, THE DIAMETER IS
1.128 TIMES THE SQUARE ROOT OF	THE AREA. 2.	õ	
47) EXIT GAS FLOW RATE	a) MAXIMUM (ACFI	И):	b) TYPICAL (ACFM):
	1,100		1,100
48) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):
	700		700
49) DIRECTION OF EXHAUST (VERTICAL	L. LATERAL, DOWNV	VARD);	
Vertical upward	-,	,	
50) LIST ALL EMISSION UNITS AND CON	ITROL DEVICES SEF	RVED BY THIS EXHA	NUST POINT;
NAME		FLO	W DIAGRAM DESIGNATION
, , , , , ,			
^{a)} Furnace Holder No. 2		FH2	•
b)			
c)			
d)			
е)			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READI		
51a) LATITUDE:		b) LONGITUDE:	
52) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):

Exhibit 240-1d IMCO Recycling of Illinois, Inc.

PROVIDE ANY SPECIFIC EMISSION STANDARD(S 0.10 LBS/MMBTU):	S) AND LIMITATION(S) WHICH ARE APPLICABLE TO THIS E	MISSION UNIT (E.G., PARTICULATE MATTER, IAC 212.20
REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
Particulate matter	Construction Permit No. 06080013, condition 2	PM <= 0.1 lb/hr and <= 0.44 tpy
Opacity	35 IAC 212.123(a) & (b) and 212.124	Opacity <= 30%



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL – PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLICA	NT'S US	<u>SE</u>
Revision #:			
Date:	_ /	/ _	
Page		of	
Source Desi	gnatio	n;	

PROCESS EMISSION UNIT DATA AND INFORMATION

FOR AGENCY USE ONLY TO SEE THE SECOND OF THE	
O NUMBER:	
MISSION POINT #:	_
DATE:	

SOURCE IN	FORMATION		
1) SOURCE NAME:			
IMCO Recycling of Illinois, Inc.			
2) DATE FORM	3) SOURCE ID NO.		
PREPARED: 11/20/09	(IF KNOWN): 031045ANE		
	IFORMATION		
4) NAME OF EMISSION UNIT:			
Salt Cake Handling			
5) NAME OF PROCESS:			
Salt Cake Handling			
6) DESCRIPTION OF PROCESS:			
Cooling of hot salt cake and subsequent transfer	to vehicles for shipment off-site		
7) DESCRIPTION OF ITEM OR MATERIAL PRODUCED OR A	CTIVITY ACCOMPLISHED:		
Cooled salt cake	· .		
8) FLOW DIAGRAM DESIGNATION OF EMISSION UNIT:			
SCH1			
9) MANUFACTURER OF EMISSION UNIT (IF KNOWN):			
N/A			
10) MODEL NUMBER (IF KNOWN):	11) SERIAL NUMBER (IF KNOWN):		
N/A	N/A		
12) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):		
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EMISSION UNIT (ACTUAL OR PLANNED)	10/1996		
OF THIS EMISSION ONLY (NOTONE ON ENTIRE)	b) OPERATION (MONTH/YEAR):		
	11/1996		
	c) LATEST MODIFICATION (MONTH/YEAR):		
13) DESCRIPTION OF MODIFICATION (IF APPLICABLE):			

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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FOR APPLICANT'S USE

14) DOES THE EMISSION UNIT HAV	= MOI	RE THAN ON	= MODI	E OE O	PERATION?		$\overline{}$	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
IF YES, EXPLAIN AND IDENTIFY A SEPARATE PROCESS EMISSION FOR EACH MODE):	WHIC	H MODE IS C	:OVERI	ED BY 1	HIS FORM (₩ YE	S		NO
,										
			15 551	1,10.	. 50.17501	EOLUBIA ELE		<u> </u>		
15) PROVIDE THE NAME AND DESK EMISSION UNIT, IF APPLICABLE MUST BE COMPLETED FOR EAC	(FOF	RM 260-CAAPI	DIAM -	THE AF	PROPRIATE	260-CAAPP				
Twin Torit baghouses, Model N	o. 4E	34-RF-12, v	ented	to a s	ngle stack					
16) WILL EMISSIONS DURING STAR RATE PURSUANT TO A SPECIFI ESTABLISHED BY AN EXISTING	C RU	LE, OR THE A	LLOW	ABLE E	MISSION LIN		O YE	S	\boxtimes	NO
IF YES, COMPLETE AND ATTAC EXCESS EMISSIONS DURING S					TO OPERA	TE WITH	÷			-
17) PROVIDE ANY LIMITATIONS ON STANDARDS (E.G., ONLY ONE U See Construction Permit No. 96	I TINL	S OPERATED	ATA	ΓΙΜΕ):		NS OR ANY	WORK P	RACTIC	Ë	
See Construction Permit No. 90 -	יטטוּ כ	o ro, issued	Octo	Jei ZS	1990.					
		·								
		OPERATI	ING IN	IFORI	NATION					
18) ATTACH THE CALCULATIONS, FOLLOWING OPERATING INFOI BASED AND LABEL AS EXHIBIT	RMAT	ION, MATÉRI	AL USA	AGE INF	ORMATION	AND FUEL I	JSAGE D			
19a) MAXIMUM OPERATING HOURS	-	HOURS/DA	γ.		DAYS/WEE	:Κ·	LWEE	KS/YEA	Ř.	
19a) MADAMOM OF ELECTRICO ROOM	•		4			7	1	52		
b) TYPICAL OPERATING HOURS		HOURS/DA	Y:		DAYS/WEE	K:	WEE	KS/YEA	R:	
		2	4	ļ		7		52	!	
20) ANNUAL THROUGHPUT		DEC-FEB(%	6):	MAR	MAY(%):	JUN-AUG	(%):	SEP-I	,	%):
		25		<u> </u>	25	25			25	
	IV	IATERIAL I	JSAG	E INF	ORMATIO	N	<u></u>			
										·
Ţ		MAXIM	UM RA	TES			TYPICAL	RATES		
21a) RAW MATERIALS		LBS/HR		TONS/	/EAR	LBS/H	R	T TC	ONS/Y	EAR.
N/A	· -		-						·	
INIA	- <u>.</u>		-					ļ		
						ļ		ļ		<u></u>
									<u> </u>	

	MAXIMUI	M RATES	TYPICAI	RATES
21b) PRODUCTS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
Salt Cake	9,550	41,800	9,550	41,800
	MAXIMU	M RATES	TYPICA	RATES
21c) BY-PRODUCT MATERIALS	LBS/HR	TONS/YEAR	LBS/HR	TONS/YEAR
N/A				·
	FUEL	USAGE DATA		
22a) MAXIMUM FIRING RATE (MILLION BTU/HR):	b) TYPICAL F (MILLION E		c) DESIGN CAPACI RATE (MILLION	
N/A				
d) FUEL TYPE: ONATURAL GAS OFUE IF MORE THAN ONE FUEL IS U				
e) TYPICAL HEAT CONTENT OF F BTU/GAL OR BTU/SCF):	f) TYPICAL SULI GAS):	FUR CONTENT (WT %.	, NA FOR NATURAL	
g) TYPICAL ASH CONTENT (WT GAS):	%., NA FOR NATUR		EL USAGE (SPECIFY U BALYEAR, TON/YEAR)	
23) ARE COMBUSTION EMISSIONS PROCESS UNIT EMISSIONS?			TROL AS	YES NO
IF NO, IDENTIFY THE EXHAUS	T POINT FOR COME	BUSTION EMISSIONS:		

	APPLICABLE RU	
24) PROVIDE ANY SPECIFIC EMISSION STANDARD(REGULATED AIR POLLUTANT(S)	(S) AND LIMITATION(S) SET BY RULE(S) WHICH A EMISSION STANDARD(S)	RE APPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.204(j)(4), 3.5 LBS/GAL): REQUIREMENT(S)
Visible Emissions (fugitive)	35 IAC 212.301	No off-site visible fugitive emissions
Particulate	35 IAC 212.321	PM <= 5.85 lb/hr and <= 25.6 tpy @ 4.8 tph throughput
25) PROVIDE ANY SPECIFIC RECORDKEEPING RUL		
REGULATED AIR POLLUTANT(S)	RECORDKEEPING RULE(S)	REQUIREMENT(S)
		·
26) PROVIDE ANY SPECIFIC REPORTING RULE(S) V REGULATED AIR POLLUTANT(S)	VHICH ARE APPLICABLE TO THIS EMISSION UNIT REPORTING RULE(S)	T: REQUIREMENT(S)
27) PROVIDE ANY SPECIFIC MONITORING RULE(S) REGULATED AIR POLLUTANT(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNI MONITORING RULE(S)	IT: REQUIREMENT(S)
28) PROVIDE ANY SPECIFIC TESTING RULES AND/C REGULATED AIR POLLUTANT(S)	OR PROCEDURES WHICH ARE APPLICABLE TO TI TESTING RULE(S)	HIS EMISSION UNIT: REQUIREMENT(S)
	<u> </u>	

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29) DOES THE EMISSION U OTHERWISE APPLICAB	NIT QUALIFY FOR AN EXEMP	PTION FROM AN	O YES	⊠ NO
1				
EXEMPTION. PROVIDE SUPPORTING DATA AN	A DETAILED EXPLANATION.	IS EXEMPT AND THE RULE V JUSTIFYING THE EXEMPTION. AND LABEL AS EXHIBIT 220-3, IIS EXEMPTION.	INCLUDE DETA	All ED
Construction of the Construction of the construction of the Constr	rennanuur openaatikenseen nii 22 aktore yr ee	and the same of th		
	COMPLIANO	CE INFORMATION		
30) IS THE EMISSION UNIT REQUIREMENTS?	IN COMPLIANCE WITH ALL A	PPLICABLE	X YES	O NO
IF NO, THEN FORM 294- COMPLYING EMISSION	CAAPP "COMPLIANCE PLAN, UNITS" MUST BE COMPLETE	SCHEDULE OF COMPLIANCE OD AND SUBMITTED WITH THIS	— ADDENDUM F S APPLICATION.	OR NON
31) EXPLANATION OF HOW	/ INITIAL COMPLIANCE IS TO	BE, OR WAS PREVIOUSLY, DE	EMONSTRATED:	
Visual observation of	of fugitive emissions.			
2. Calculation of PM e	missions on a rolling 12 r	nonth average.		
	e.			
				ŀ
]
	•			
32) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED		
Visual observation o		,		
	_	olling average, as specified	d in Construct	on Permit
No. 96100015.	, , , , , , , , , , , , , , , , , , ,	aming avorago, as opposition	a 111 00/13(1 act	OIT CHINE
				-
	•			
				<i>a</i>
		CORDKEEPING AND REASIONS FOR WHICH RECORDS		
 DETERMINE FEES, RUL 	E APPLICABILITY OR COMPL	LIANCE. INCLUDE THE UNIT O Y OF SUCH RECORDS (E.G., F	DE MEASUREME	NT THE
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FRE	QUENCY
Visible emissio	presence	visual	once ea	
Throughput wt.	lbs	shipping papers	each sh	ipment
			-	

RECORDED PARAMET	ER INCLUDE THE METHOD	ORDS WILL BE CREATED AND MA OF RECORDKEEPING, TITLE OF P	ERSON RESPONSIBLE FOR		
RECORDKEEPING, AN		NTACT FOR REVIEW OF RECORD	(
PARÁMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON		
Visible emissio	Daily log	Production supervisor	Plant Manager		
Throughput wt.	Shipping papers HSE coordinator Plant Manager				
c) IS COMPLIANCE OF THE THE RECORDS?	EMISSION UNIT READILY D	EMONSTRATED BY REVIEW OF	Ø yes □ no		
IF NO, EXPLAIN:					
ii No, EXI E ii.					
,					
d) ARE ALL RECORDS REA SUBMITTAL TO THE AGE	DILY AVAILABLE FOR INSPE ENCY UPON REQUEST?	ECTION, COPYING AND	XES NO		
IF NO, EXPLAIN:					
34a) DESCRIBE ANY MONIT	ORS OR MONITORING ACTI	VITIES USED TO DETERMINE FEE	S, RULE APPLICABILITY OR		
COMPLIANCE:					
Daily visible emission d	eterringations.				
Presence of visible emis		(E.G., VOM EMISSIONS TO ATMO	SPHERE)?		
	55101101				
İ					
c) DESCRIBE THE LOCATI	ON OF EACH MONITOR (E.G	., IN STACK MONITOR 3 FEET FRO	OM EXIT):		
N/A					
			•		
	·	· · · · · · · · · · · · · · · · · · ·			

34d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	YES	(X) NO
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:		
N/A		
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	U YES	X) NO
IF NO, EXPLAIN:		
N/A		
f) IS EACH MONITOR OPERATED AT ALL TIMES THE ASSOCIATED EMISSION UNIT IS IN OPERATION?	X YES	U NO
IF NO, EXPLAIN:		ŀ
·		
35) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE RESU- PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPLIANCE		
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXISTING SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS	DURING THE T	
OPERATING	LXI 11011 220-4.	
TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SUMMARY OF	RESULTS
N/A		
	·····	
36) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREQUEN SUBMITTALS TO THE AGENCY:	CY OF REPOR	F
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	[
N/A	,,	
TVII V		
		1

					(37)	EMISSION	INF	FORMATI	ON					
		☐ ¹ACTUAL EMISSION RATE ☐ ¹UNCONTROLLED EMISSION RATE				ALLOWABLE BY RULE EMISSION RATE				² PERMITTED EMISSION RATE				
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM		⁵ RATE	UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE	(UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM;							()				- Avvanue	
MONOXIDE (CO)	TYPICAL:						L	()					
LEAD	MAXIMUM:							. ()					
	TYPICAL:						L	()					
NITROGEN	MAXIMUM;							().					_
OXIDES (NOx)	TYPICAL:							()_					
PARTICULATE	MAXIMUM:							()_					
MATTER (PART)	TYPICAL:							()					and the same
PARTICULATE MATTER <= 10	MAXIMUM:							()					
MICROMETERS (PM10)	TYPICAL:							()					
SULFUR	MAXIMUM:							()				-	
DIOXIDE (SO2)	TYPICAL:							()					
VOLATILE ORGANIC	MAXIMUM:							()		·			
MATERIAL (VOM)	TYPICAL:							(
OTHER, SPECIFY:	MAXIMUM:							()			_		
	TYPICAL:							(
EXAMPLE PARTICULATE	MAXIMUM	5.00	21.9	0.3 GR/DSCF		7 4 7 A	#15 2.15 2.15	. 6.0 (LBS	HR):	212 321	26.28	5.6.L	BS/HR 🚎 🗒	22
MATTER	TYPICAL	4.00	14.4	0:24 GR/DSGF	rumero. Lighter	4		5.5 (LBS)	HR)	212.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-5.

¹CHECK UNCONTROLLED EMISSION RATE BOX IF CONTROL EQUIPMENT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTUAL EMISSION RATE TO ATMOSPHERE, INCLUDING INDOORS. SEE INSTRUCTIONS.

PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT IS USED, OTHERWISE CHECK AND PROVIDE THE ACTOR. LEMISSION RATE THAT WILL BE USED AS A PERMIT IS USED AS A PERMIT SET.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

ADM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

		(3	8) HAZARDOUS	AIR POLLUTAN	IT EMISSION II	NFORMATI	ON			
			☐ ¹ ACTUAL EMISSION RATE ☐ ¹ UNCONTROLLED EMISSION RATE					ALLOWABLE BY RULE		
NAME OF HAP - EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER. TERMS	⁴ DM		⁵ RATE OR STANDARD	APPLICABLE RULE	
		MAXIMUM:							-	
		TYPICAL:								
		MAXIMUM:					ļ			
		TYPICAL:				 				
		MAXIMUM:							-	
		TYPICAL:	V							
		MAXIMUM:	•							
·		TYPICAL:								
		MAXIMUM:								
		TYPICAL:						# + 1		
 		MAXIMUM:								
		TYPICAL:								
·		MAXIMUM:						B		
		TYPICAL:								
		MAXIMUM:						ezo,		
		TYPICAL:								
EXAMPLE.	71432		# 10.0 # # # # # # # # # # # # # # # # # #	1.2		2 2		98% by wt control device	OFR 61 61,302(b);(d)	

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 220-6.

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¹PROVIDE UNCONTROLLED EMISSIONS IF CONTROL EQUIPMENT IS USED. OTHERWISE, PROVIDE ACTUAL EMISSIONS TO THE ATMOSPHERE, INCLUDING INDOORS. CHECK BOX TO SPECIFY. 2CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

5RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

E	XHAUST POINT	INFORMATION	Address Control of the Control of			
THIS SECTION SHOULD NOT BE COMPLETED I	F EMISSIONS ARE EXH	IAUSTED THROUGH AI	R POLLUTION CONTROL EQUIPMENT.			
39) FLOW DIAGRAM DESIGNATION OF E	XHAUST POINT:					
40) DESCRIPTION OF EXHAUST POINT (DISCHARGES INDOORS, DO NOT CO	STACK, VENT, ROOF MPLETE THE REMA	F MONITOR, INDOO JINING ITEMS.	RS, ETC.). IF THE EXHAUST POINT			
41) DISTANCE TO NEAREST PLANT BOUNDARY FROM EXHAUST POINT DISCHARGE (FT):						
42) DISCHARGE HEIGHT ABOVE GRADE (FT):						
43) GOOD ENGINEERING PRACTICE (GEP) HEIGHT, IF KNOWN (FT):						
44) DIAMETER OF EXHAUST POINT (FT): NOTE: FOR A NON CIRCULAR EXHAUST POINT, THE DIAMETER IS 1.128 TIMES THE SQUARE ROOT OF THE AREA.						
45) EXIT GAS FLOW RATE	a) MAXIMUM (ACF)	И):	b) TYPICAL (ACFM):			
46) EXIT GAS TEMPERATURE a) MAXIMUM (°F):			b) TYPICAL (°F):			
47) DIRECTION OF EXHAUST (VERTICAL	_, LATERAL, DOWN\	WARD):				
48) LIST ALL EMISSION UNITS AND COM	ITROL DEVICES SE	RVED BY THIS EXH	AUST POINT:			
NAME		FLC	W DIAGRAM DESIGNATION			
a)						
b)						
c)						
d) .						
e)						
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READ	ILY AVAILABLE.				
49a) LATITUDE:		b) LONGITUDE:				
50) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL — PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLIC	CANT	S USE
Revision #:			
Date:	_ /		/
Page		_ of .	
Source Desi	gnat	ion:	
1			

AIR POLLUTION CONTROL EQUIPMENT DATA AND INFORMATION

residentes e s.F	OR AGENCY U	SE ONLY	āre Justo
ID NUMBER:			
CONTROL EQUIPI	VIENT #:		
DATE:	l		

THIS FORM MUST BE COMPLETED FOR EACH AIR POLLUTION CONTROL EQUIPMENT. COMPLETE AND PROVIDE THIS FORM IN ADDITION TO THE APPLICABLE ADDENDUM FORM 260-A THROUGH 260-K. A SEPARATE FORM MUST BE COMPLETED FOR EACH MODE OF OPERATION OF AIR POLLUTION CONTROL EQUIPMENT FOR WHICH A PERMIT IS BEING SOUGHT.

SOURCE INFORMATION				
1) SOURCE NAME:				
IMCO Recycling of Illinois, Inc.				
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE			

- MARTIN - M	
	NFORMATION
4) NAME OF AIR POLLUTION CONTROL EQUIPMENT AND/	OR CONTROL SYSTEM:
Baghouse No.'s 2 & 3 (identical units)	
5) FLOW DIAGRAM DESIGNATION OF CONTROL EQUIPME	NT AND/OR CONTROL SYSTEM:
BH2 & BH3	
6) MANUFACTURER OF CONTROL EQUIPMENT (IF KNOW)	۷):
Torit	en en en en en en en en en en en en en e
7) MODEL NUMBER (IF KNOWN):	8) SERIAL NUMBER (IF KNOWN):
4B4-RF-12	N/A
9) DATES OF COMMENCING CONSTRUCTION,	a) CONSTRUCTION (MONTH/YEAR):
OPERATION AND/OR MOST RECENT MODIFICATION OF THIS EQUIPMENT (ACTUAL OR PLANNED)	11/96
OF THIS EQUIT MENT (NOTONE ON EXHIBED)	b) OPERATION (MONTH/YEAR):
	12/96
	c) LATEST MODIFICATION (MONTH/YEAR):
8	
10) BRIEFLY DESCRIBE MODIFICATION (IF APPLICABLE):	
, , , , , , , , , , , , , , , , , , , ,	
LA LUCY TO THE PARTY OF THE PAR	

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

	QUIPMENT DUCTING EMISSIONS TO THIS CONTROL
EQUIPMENT: NAME	DESIGNATION OR CODE NUMBER
Salt Cake Handling	SCH1
12) DOES THE CONTROL EQUIPMENT HAVE MORE THAN	ONE MODE OF ODERATIONS
1	O ILS O NO
IF YES, EXPLAIN AND IDENTIFY WHICH MODE IS COV A SEPARATE AIR POLLUTION CONTROL EQUIPMENT COMPLETED FOR EACH MODE):	ERED BY THIS FORM (NOTE: FORM 260-CAAPP MUST BE
	. į
	ED TO THE AIR POLITICAL CONTROL FOLLOWERS C
13) IDENTIFY ALL ATTACHMENTS TO THIS FORM RELATE TECHNICAL DRAWINGS):	ED TO THIS AIR POLLOTION CONTROL EQUIPMENT(L.G.,
None	
	·
	IG SCHEDULE
14) IDENTIFY ANY PERIOD WHEN THE CONTROL EQUIPM MAINTENANCE AND/OR REPAIRS WHEN THE FEEDIN IN OPERATION:	MENT WILL NOT BE OPERATING DUE TO SCHEDULED IG EMISSION UNIT(S) TO THIS CONTROL EQUIPMENT IS/ARE
N/A	
N/A	
	·
·	
15a) IDENTIFY ANY PERIODS DURING OPERATION OF TH	HE FEEDING EMISSION UNIT(S) WHEN THE CONTROL
EQUIPMENT IS/ARE NOT USED:	
EQUIPMENT IS/ARE NOT USED:	
	LL OTHER TIMES THAT THE X YES NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A	LL OTHER TIMES THAT THE X YES NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION? IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	LL OTHER TIMES THAT THE X YES NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION? IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	LL OTHER TIMES THAT THE X YES NO
N/A b) IS THIS CONTROL EQUIPMENT IN OPERATION AT A FEEDING EMISSION UNIT(S) IS/ARE IN OPERATION? IF NO, EXPLAIN AND PROVIDE THE DURATION OF T	LL OTHER TIMES THAT THE X YES NO

	APPLICABLE RULES	
16) PROVIDE ANY SPECIFIC EMISSION STANDARD	(S) AND LIMITATION(S) SET BY RULE(S) WHICH ARE A	PPLICABLE TO THIS EMISSION UNIT (E.G., VOM, IAC 218.207(b)(1), 81%
OVERALL & 90% CONTROL DEVICE EFF.); REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
Opacity	35 IAC 212.123(a) & (b) and 212.124	Opacity <= 30%
17) PROVIDE ANY SPECIFIC RECORDKEEPING RUI	.E(S) WHICH ARE APPLICABLE TO THIS EMISSION UNI	T:
REGULATED AIR POLLUTANT(S)	RECORDING RULE(S)	REQUIREMENT(S)
·		
· ·		
18) PROVIDE ANY SPECIFIC REPORTING RULE(S) V	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	REPORTING RULE(S)	REQUIREMENT(S)
19) PROVIDE ANY SPECIFIC MONITORING RULE(S)	WHICH ARE APPLICABLE TO THIS EMISSION UNIT:	
REGULATED AIR POLLUTANT(S)	MONITORING RULE(S)	REQUIREMENT(S)
20) PROVIDE ANY SPECIFIC TESTING RULES AND/C	OR PROCEDURES WHICH ARE APPLICABLE TO THIS E	MISSION UNIT :
REGULATED AIR POLLUTANT(S)	TESTING RULE(S)	REQUIREMENT(S)

		E INFORMATION				
21) IS THE CONTROL SYSTE REQUIREMENTS?	M IN COMPLIANCE WITH AL	L APPLICABLE	X YES NO			
IF NO, THEN FORM 294-0 COMPLYING EMISSION (CAAPP "COMPLIANCE PLANS JNITS" MUST BE COMPLETE	SCHEDULE OF COMPLIANCE D AND SUBMITTED WITH THE	ADDENDUM FOR NON S APPLICATION.			
22) EXPLANATION OF HOW	INITIAL COMPLIANCE IS TO I	BE, OR WAS PREVIOUSLY, DI	EMONSTRATED:			
Opacity determinations	when visible emissions of	occur. VE checked daily.				
·						
23) EXPLANATION OF HOW	ONGOING COMPLIANCE WIL	L BE DEMONSTRATED:				
Opacity determinations when visible emissions occur. VE checked daily.						
TEST	ING MONITORING REC	CORDKEEPING AND RE	PORTING			
24a) LIST THE PARAMETERS DETERMINE FEES, RUL	TESTING, MONITORING, RECORDKEEPING AND REPORTING 24a) LIST THE PARAMETERS THAT RELATE TO AIR EMISSIONS FOR WHICH RECORDS ARE BEING MAINTAINED TO DETERMINE FEES, RULE APPLICABILITY OR COMPLIANCE. INCLUDE THE UNIT OF MEASUREMENT, THE METHOD OF MEASUREMENT, AND THE FREQUENCY OF SUCH RECORDS (E.G., HOURLY, DAILY, WEEKLY):					
PARAMETER	UNIT OF MEASUREMENT	METHOD OF MEASUREMENT	FREQUENCY			
Opacity	%	visual	when VE occurs			

24b) BRIEFLY DESCRIBE THE METHOD BY WHICH RECORDS WILL BE CREATED AND MAINTAINED. FOR EACH RECORDED PARAMETER INCLUDE THE METHOD OF RECORDKEEPING, TITLE OF PERSON RESPONSIBLE FOR					
RECORDKEEPING,		NTACT FOR REVIEW OF RECORD	-		
PARAMETER	METHOD OF RECORDKEEPING	TITLE OF PERSON RESPONSIBLE	TITLE OF CONTACT PERSON		
Opacity	Daily log	Production supervisor	Plant Manager		
c) IS COMPLIANCE OF	THE CONTROL EQUIPMENT RE	ADILY DEMONSTRATED BY	⊠ yes □ NO		
REVIEW OF THE REC	JORDS?				
IF NO, EXPLAIN:					
		•			
	READILY AVAILABLE FOR INSP AGENCY UPON REQUEST?	ECTION, COPYING AND/OR	X YES NO		
IF NO, EXPLAIN:					
		· 			
25a) DESCRIBE ANY MO	DNITORS OR MONITORING ACT	TVITIES USED TO DETERMINE FE	ES RULE APPLICABILITY OR		
COMPLIANCE:	MITORIA OR MOTORIA PIO	, , , , , , , , , , , , , , , , , , , ,			
Opacity determination	ons made when point sourc	ce visible emissions occurs. [Daily VE checks.		
b) WHAT OPERATING	PARAMETER(S) IS(ARE) BEING	MONITORED (E.G., COMBUSTION	N CHAMBER TEMPERATURE)?		
On anity when VE a	o colura				
Opacity, when VE o	occurs.				
			;		
. DECODING THE LO	CATION OF EACH MONITOR /E	.G., EXIT OF COMBUSTION CHAM	RED).		
c) DESCRIBE THE EO	CATION OF EACH WONTOR (E	G, LAR OF COMBOSTION CHAM			
N/A					

25d) IS EACH MONITOR EQUIPPED WITH A RECORDING DEVICE?	X YES	ОиО
IF NO, LIST ALL MONITORS WITHOUT A RECORDING DEVICE:	3 120	
en en skripte en en e n krijge n skrivetaak Valente en en krijen, en park gregen, kan allen en en en en en en en en en en en en e	The second control of the second control of	
NO COLLABORATOR DEVICTOR FOR A COLLEGE OF A CLARATERIA OF A CL		
e) IS EACH MONITOR REVIEWED FOR ACCURACY ON AT LEAST A QUARTERLY BASIS?	U YES	⊠ NO
IF NO. EXPLAIN:		
Semi-annual training for opacity.		
f) IS EACH MONITOR OPERATED AT ALL TIMES THE CONTROL EQUIPMENT IS IN OPERATION?	O YES	Ø NO
IF NO, EXPLAIN:		
Opacity determinations made when point source visible emissions occurs.	Daily VE chacks	
Opacity determinations made when point source visible emissions occurs.	Daily VI Cliecks.	
26) PROVIDE INFORMATION ON THE MOST RECENT TESTS, IF ANY, IN WHICH THE R PURPOSES OF THE DETERMINATION OF FEES, RULE APPLICABILITY OR COMPL	ESULTS ARE USED	FOR
DATE, TEST METHOD USED, TESTING COMPANY, OPERATING CONDITIONS EXIS	TING DURING THE	
SUMMARY OF RESULTS. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEI	AS EXHIBIT 260-1:	
OPERATING TEST DATE TEST METHOD TESTING COMPANY CONDITIONS	SUMMARY OF	DECIUTO
	30iviie/ART 01	ICCOCTO
N/A		
27) DESCRIBE ALL REPORTING REQUIREMENTS AND PROVIDE THE TITLE AND FREC	NIENCY OF REPOR	Т
SUBMITTALS TO THE AGENCY:	ZOENOT OF THE OIL	,
REPORTING REQUIREMENTS TITLE OF REPORT	FREQUENCY	
N/A		
TVII C		
		•
CAPTURE AND CONTROL		
28) DESCRIBE THE CAPTURE SYSTEM USED TO CONTAIN, COLLECT AND TRANSPO	RT EMISSIONS TO T	HE
CONTROL EQUIPMENT. INCLUDE ALL HOODS, DUCTS, FANS, ETC. ALSO INCLUUSED AT EACH EMISSION POINT. (IF ADDITIONAL SPACE IS NEEDED, ATTACH A	ND LABEL AS EXHIE	SIT 260-2):
		,
See Exhibit 260-2b		
		,

		29) ARE FEATURES OF THE CAPTURE SYSTEM ACCURATELY DEPICTED IN THE FLOW DIAGRAM CONTAINED IN THIS APPLICATION?							
	IF NO, A SKETCH SHOWING THE FEATURES OF THE CAPTURE SYSTEM SHOULD BE ATTACHED AND LABELED AS EXHIBIT 260-3:								
, (PROVIDE THE ACTUAL (MI DESTRUCTION/REMOVAL COMBINATION OF THE CA TO BE CONTROLLED. AT WHICH THESE EFFICIENC	EFFICIENCY, AND THAPTURE SYSTEM AND TACH THE CALCULAT	HE OVERALL REDUC CONTROL EQUIPM FIONS, TO THE EXTE	CTION EFFICIENCY F MENT FOR EACH REG ENT THEY ARE AIR E	PROVIDED BY THE GULATED AIR POLLUTAI				
a)_	CONTROL PERFORMANC	<u>E:</u>							
	REGULATED AIR	CAPTURE S' EFFICIENC		TROL EQUIPMENT	OVERALL REDUCTION EFFICIENCY (%)				
	POLLUTANT	(MIN)	(TYP) (MII		(MIN) (TYP)	_			
ì	N/A								
i									
m									
iv.	EVELAN ANY OTHER DC	OLUBED LIMITS ON CON	TROL FOLLOWENT BEE	SEODMANCE SHOW AS	OUTLET CONCENTRATION.	_			
IV.	COOLANT TEMPERATURE		TRUE EQUIPMENT FER	REORINANCE SUCH AS	OUTLET CONCENTRATION,				
p)) METHOD USED TO DETE	RMINE EACH OF THE	ABOVE EFFICIENC	CIES (E.G., STACK TE	ST, MATERIAL BALANC	E,			
	MANUFACTURER'S GUA	RANTEE, ETC.) AND	THE DATE LAST TE	STED, IF APPLICABL	.E:				
		EFFICIENCY DETERMIN	JATION METHOD		DATE LAST				
	CAPTURE: N/A								
	CONTROL:								
	OVERALL:								
L									
C)) REQUIRED PERFORMAN	CE:							
c)		CE: CAPTURE SYSTEM EFFICIENCY (%)	CONTROL EQUIPMENT EFFICIENCY (%)	OVERALL REDUCTION EFFICIENCY (%)	APPLICABLE RULE				
C)) REQUIRED PERFORMAN REGULATED AIR POLLUTANT	CAPTURE SYSTEM	EQUIPMENT	REDUCTION EFFICIENCY	APPLICABLE RULE				
) REQUIRED PERFORMAN REGULATED AIR	CAPTURE SYSTEM	EQUIPMENT	REDUCTION EFFICIENCY	APPLICABLE RULE				
) REQUIRED PERFORMAN REGULATED AIR POLLUTANT	CAPTURE SYSTEM	EQUIPMENT	REDUCTION EFFICIENCY	APPLICABLE RULE				
CANADA TO THE CONTROL OF THE CONTROL) REQUIRED PERFORMAN REGULATED AIR POLLUTANT	CAPTURE SYSTEM	EQUIPMENT	REDUCTION EFFICIENCY	APPLICABLE RULE				
CANADA TO THE CONTROL OF THE CONTROL) REQUIRED PERFORMAN REGULATED AIR POLLUTANT N/A EXPLAIN ANY OTHER RE	CAPTURE SYSTEM EFFICIENCY (%)	EQUIPMENT EFFICIENCY (%)	REDUCTION EFFICIENCY (%)	APPLICABLE RULE SOUTLET CONCENTRATION				
) REQUIRED PERFORMAN REGULATED AIR POLLUTANT N/A	CAPTURE SYSTEM EFFICIENCY (%)	EQUIPMENT EFFICIENCY (%)	REDUCTION EFFICIENCY (%)					
) REQUIRED PERFORMAN REGULATED AIR POLLUTANT N/A EXPLAIN ANY OTHER RE	CAPTURE SYSTEM EFFICIENCY (%)	EQUIPMENT EFFICIENCY (%)	REDUCTION EFFICIENCY (%)					
) REQUIRED PERFORMAN REGULATED AIR POLLUTANT N/A EXPLAIN ANY OTHER RE	CAPTURE SYSTEM EFFICIENCY (%)	EQUIPMENT EFFICIENCY (%)	REDUCTION EFFICIENCY (%)					

					(31)1	EMISSION	INFORMATI	ON					
¹ ACTUAL EMISSION RATE					ALLOWABLE BY RULE EMISSION RATE				² PERMITTED EMISSION RATE				
REGULATED AIR POLLUTANT		LBS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	³ OTHER TERMS	⁴ DM	⁵ RATE	(UNITS)	APPLICABLE RULES	TONS PER YEAR (TONS/YR)	RATE	UNITS)	TONS PER YEAR (TONS/YR)
CARBON	MAXIMUM:						,	1					
MONOXIDE (CO)	TYP!CAL:			***************************************			()					
LEAD	MAXIMUM:						() .			The second secon		Bart Almanda at 20 Maria da Atlanda Militar (100 di Atlanda)
	TYPICAL:)					
NITROGEN	MAXIMUM:				')					
OXIDES (NOx)	TYPICAL:						()					
PARTICULATE	MAXIMUM;		2.57			1	5.85 (pph)	212,321	25.55	5.85pph .		25.6
MATTER (PART)	TYPICAL:						()					
PARTICULATE MATTER <= 10	MAXIMÚM:		1				,)					
MICROMETERS (PM10)	TYPICAL:						, () :					
SULFUR	MAXIMUM:						()					
DIOXIDE (SO2)	TYPICAL:						()					
VOLATILE ORGANIC	MAXIMUM:						()			ALEXANDER A SEASON SERVICES		College Colleg
MATERIAL (VOM)	TYPICAL:)					
OTHER, SPECIFY:	MAXIMUM:				······································)					
	TYPICAL:						()					
EXAMPLE: PARTICULATE	MAXIMUM:	5.00	21.8	GR/DSCF			60(LBS	S/HR)	212.321	26.28	5.5 LB		
MATTER	TYPICAL.	4.00	14.4	0.24 GR/DSCF		4.5	5.5 (LBS	S/HR)	212.321	19.80			

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-5.

¹ PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR).
2 PROVIDE THE EMISSION RATE THAT WILL BE USED AS A PERMIT SPECIAL CONDITION. THIS LIMIT WILL BE USED TO DETERMINE THE PERMIT FEE.

PROVIDE THE EMISSION RATE THAT WILD BE USED AS A PERMIT SPECIAL CONDITION. THIS CHIRT WILD BE USED TO DETERMINE THE LEAST THAT WILD BE USED AS A PERMIT SPECIAL CONDITION. THIS CHIRT WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G. PPM, GR/DSCF, ETC.)

4DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS), 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS)

5RATE - ALLOWABLE EMISSION RATE SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	(32) HAZARDOUS AIR POLLUTANT EMISSION INFORMATION								
HAP INFORM	IATION		¹ ACTUAL EI	MISSION RATE			ALLOWABLE BY RULE		
NAME OF HAP EMITTED	² CAS NUMBER		POUNDS PER HOUR (LBS/HR)	TONS PER YEAR (TONS/YR)	³ OTHER TERMS	⁴ DM		⁵ RATE OR STANDARD	APPLICABLE RULE
	7,000	MAXIMUM:							
		TYPICAL:		<u> </u>	***************************************				
- Taure		MAXIMUM:	15077.					Marrier Marrie	
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:		:					
		MAXIMUM:							
		TYPICAL:							
		MAXIMUM:			1.100- 1.00- 1.00 1.00 1.00 1.00 1.00 1.			<u> </u>	
		TYPICAL:							
		MAXIMUM:		:					
		TYPICAL:							
		MAXIMUM;							
		TYPICAL:							
		MAXIMUM:							
		TYPICAL:		:					
EXAMPLE:	(4) (1) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	MAXIMUM TYPICAL:	三元[18] 1Q[O]			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		98% by wt control device	GFR 61.

IMPORTANT: ATTACH CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, ON WHICH EMISSIONS WERE DETERMINED AND LABEL AS EXHIBIT 260-6.

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 $^{^1}$ PROVIDE CONTROLLED EMISSIONS (E.G., THE EMISSIONS THAT WOULD RESULT AFTER ALL CONTROL AND CAPTURE EFFICIENCIES ARE ACCOUNTED FOR). ²CAS - CHEMICAL ABSTRACT SERVICE NUMBER.

⁴PLEASE PROVIDE ANY OTHER EMISSION RATE WHICH IS COMMONLY USED, REQUIRED BY A SPECIFIC LIMITATION OR THAT WAS MEASURED (E.G., PPM, GR/DSCF, ETC.).

⁴DM - DETERMINATION METHOD: 1) STACK TEST, 2) MATERIAL BALANCE, 3) STANDARD EMISSION FACTOR (AP-42 OR AIRS, 4) ENGINEERING ESTIMATE, 5) SPECIAL EMISSION FACTOR (NOT AP-42 OR AIRS).

⁵RATE - ALLOWABLE EMISSION RATE OR STANDARD SPECIFIED BY MOST STRINGENT APPLICABLE RULE.

	EXHAUST POINT					
33) DESCRIPTION OF EXHAUST POINT (STACK, VENT, ROOF MONITOR, INDOORS, ETC.). IF THE EXHAUST POINT DISCHARGES INDOORS, DO NOT COMPLETE THE REMAINING ITEMS.						
Singe stack connected to b	-					
34) DISTANCE TO NEAREST PLANT BOU	JNDARY FROM EXH	AUST POINT DISCH	ARGE (FT):			
	55	· · · · · · · · · · · · · · · · · · ·				
35) DISCHARGE HEIGHT ABOVE GRADE			····			
	40	> N 1 (- T)				
36) GOOD ENGINEERING PRACTICE (G.	EP) HEIGHT, IF KNO Unknown					
37) DIAMETER OF EXHAUST POINT (FT) 1.128 TIMES THE SQUARE ROOT OF	THE ADEA	N CIRCULAR EXHAU 5	IST POINT, THE DIAMETER IS			
38) EXIT GAS FLOW RATE	a) MAXIMUM (ACF)	И):	b) TYPICAL (ACFM):			
,	70,0	000	70,000			
39) EXIT GAS TEMPERATURE	a) MAXIMUM (°F):		b) TYPICAL (°F):			
	amb	ient	ambient			
40) DIRECTION OF EXHAUST (VERTICA	L, LATERAL, DOWNV	vard): Vertical	Upward			
41) LIST ALL EMISSION UNITS AND CON	NTROL DEVICES SEF	RVED BY THIS EXHA	AUST POINT:			
NAME			W DIAGRAM DESIGNATION			
a) Baghouse No. 2		BH2				
b) Baghouse No. 3		ВН3				
^{c)} Salt Cake Handling		SCH1				
d)						
e)						
n						
g)						
42) WHAT PERCENTAGE OF THE CONT	ROL EQUIPMENT EN	MISSIONS ARE BEIN	IG DUCTED TO THIS			
EXHAUST POINT (%)?	100					
43) IF THE PERCENTAGE OF THE CON	TROL EQUIPMENT E	MISSIONS BEING D	UCTED TO THE EXHAUST POINT IS			
NOT 100%, THEN EXPLAIN WHERE N/A	THE REMAINING EM	HOOLUND AKE BEIN	S ENTAUSTED TU.			
I N/A						
			į			
THE FOLLOWING INFORMATION NEED ONLY	BE SUPPLIED IF READI					
44a) LATITUDE:		b) LONGITUDE:				
		021.6	LANGTH HODIZONTAL (IZA)			
45) UTM ZONE:	b) UTM VERTICAL	(KM):	c) UTM HORIZONTAL (KM):			

Exhibit 260-2b

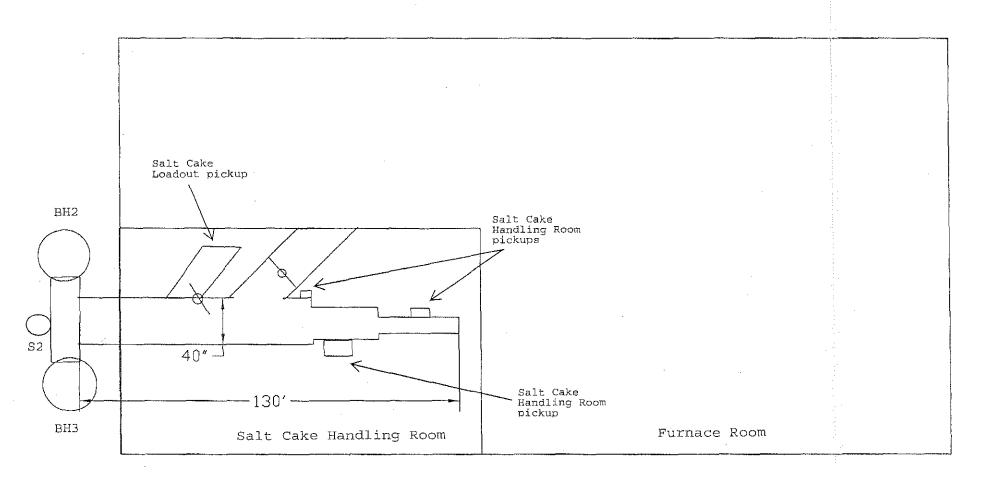
Description of Capture System IMCO Recycling of Illinois, Inc.

Particulate emissions from the Salt Cake Handling Room are captured and ducted to the twin Torit Bag Houses (BH2 & BH3) by blower fans connected to the exhaust side of the Bag Houses. These emissions are vented through a single stack (S2).

The Salt Cake Handling Room is an enclosed area with two doors. The door on the west end of the building raises up and down, while the door on the east end is sealed by clear plastic strips. The duct work associated with the twin Torit Bag Houses in the Salt Cake Handing Room runs along the top of the room to collect particulate emissions generated in the transport and cooling of the salt cake. This duct work has three openings in the cooling/storage area of the Salt Cake Handling Room. These ports are 26" in diameter and are 21 feet above the floor. These collection ports are always open. A forth collection port in the Salt Cake Handling Room is directly over the area where cooled salt cake is loaded, using a front end loader, onto trucks for off-site shipment. This collection port is 38" in diameter and is 20 feet above the floor. Unlike the other collection ports, this port can be either fully opened or fully closed depending on whether or not a truck is being loaded. The port is always fully open when loading out trucks. The port can also be fully opened if salt cake pans are stored in this area to cool.

Exhibit 260-3b

IMCO Recycling of Illinois, Inc.



11/20/09

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLICA	NT'S	USE
Revision #:			
Date:	_ /		·
Page		of	
Source Desi	gnation	n:	

SUPPLEMENTAL FORM AIR POLLUTION CONTROL EQUIPMENT FILTER (260C)

	FOR AGENCY USE ONLY
	ID NUMBER:
	CONTROL EQUIPMENT #:
	DATE:
7	NFORMATION
	AND CONTRACTOR OF CONTRACTOR O
	O STORES STREET

DATA AND INFORMATION						
1) FLOW DIAGRAM DESIGNAT	TION OF FILTER:		,			
	BH2 & BH3					
2) FILTER CONFIGURATION (CHECK ONE):	OPEN PRESSURE OTHER, SPECIFY:	CLOSED PRESSURE	CLOSED SUCTION			
3) DESCRIBE FILTER MATERI	AL:					
Polyester						
4) FILTERING AREA (SQUARE FEET): 1	5,110 per bag house	5) AIR TO CLOTH RATIO (FEET/MIN): 4.74:1				
6) CLEANING METHOD (SHAKER X REVE	ERSE AIR O PULSE AIR	O PULSE JET			
7) NORMAL RANGE OF PRESSURE DROP: 2	то 12	(INCH H ₂ 0)				
8a) INLET EMISSION STREAM	M PARAMETERS:					
		MAX	TYPICAL			
MOISTURE CONTENT (% BY VOLUME):	Ambient	Ambient			
PARTICULATE INLET L	OADING (GRAINS/SCF);	Unknown	Unknown			
b) MEAN PARTICLE DIAME		nown				

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

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9) FILTER OPERATING PARAMETERS	*		
		DURING MAXIMUM OPERATION OF FEEDING UNIT(S)	DURING TYPICAL OPERATION OF FEEDING UNIT(S)
INLET FLOW RATE (SCFM):		, LEDING SINIT(S)	, ELDING GIVING)
1007 10 112 (00, 10)		34,450 per BH	34,450 per BH
INLET GAS TEMPERATURE (DEGF FAHRENHEIT):	REES	Ambient	Ambient
EFFICIENCY (PM REDUCTION):		(%)	(%)
E) HOIEWOT (CIMICEDOOTION).		95	95
EFFICIENCY (PM10 REDUCTION);		(%) Unknown	(%) Unknown
	•		
ZO LIGINIO EU TED MOLUTORES	···.		
10) HOW IS FILTER MONITORED FOR INDICATIONS OF DETERIORATION (E.G., BROKEN BAGS)?	CONTINUOUS OPACITY	PRESSURE DROP	ALARMS-AUDIBLE TO PROCESS OPERATOR
·	O VISUAL OPACITY RE	EADINGS, FREQUENCY:	
	O OTHER, SPECIFY:	·	·
			·
11) DESCRIBE ANY RECORDING DEV	ICÉ AND FREQUENCY O	F LOG ENTRIES:	
,			
Pressure drop of each bag hous	e recorded once each	n shift.	
·			•
·			
12) DESCRIBE ANY FILTER SEEDING	BEING PERFORMED:	<u> </u>	
N/A			
r			·
<u> </u>			
i			



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR APPLICANT'S USE					
Revision	n #:				
Date: _	//		/		
Page _		of _	-		
Source Designation:					

FUGITIVE EMISSIONS DATA AND INFORMATION

FOR AGENCY USE ONLY
ID NUMBER:
EMISSION POINT #:
DATE:

THIS FORM MAY BE COMPLETED FOR FUGITIVE EMISSION ACTIVITIES RATHER THAN COMPLETING AN EMISSION UNIT OR STAND ALONE FORM. FUGITIVE EMISSIONS ARE DEFINED AS THOSE EMISSIONS WHICH COULD NOT REASONABLY PASS THROUGH A STACK, CHIMNEY, VENT OR OTHER FUNCTIONALLY EQUIVALENT OPENING. NOTE THAT UNCAPTURED PROCESS EMISSION UNIT EMISSIONS ARE TYPICALLY NOT CONSIDERED FUGITIVE AND MUST BE ACCOUNTED FOR ON THE APPROPRIATE EMISSION UNIT OR STAND ALONE FORM. ANY EMISSIONS AT THE SOURCE NOT PREVIOUSLY ACCOUNTED FOR ON AN EMISSION UNIT OR STAND ALONE FORM MUST BE ACCOUNTED FOR ON THIS FORM.

SOME EXAMPLES OF EMISSIONS WHICH ARE TYPICALLY CONSIDERED FUGITIVE ARE;

- ROAD DUST EMISSIONS (PAVED ROADS, UNPAVED ROADS, AND LOTS)
- STORAGE PILE EMISSIONS (WIND EROSION, VEHICLE DUMP AND LOAD)
- LOADING/UNLOADING OPERATION EMISSION
- EMISSIONS FROM MATERIAL BEING TRANSPORTED IN A VEHICLE
- EMISSIONS OCCURRING FROM THE UNLOADING AND TRANSPORTING OF MATERIALS
 COLLECTED BY POLLUTION CONTROL EQUIPMENT
- EQUIPMENT LEAKS (E.G., LEAKS FROM PUMPS, COMPRESSORS, IN-LINE PROCESS VALVES, PRESSURE RELIEF DEVICES, OPEN-ENDED VALVES, SAMPLING CONNECTIONS, FLANGES, AGITATORS, COOLING TOWERS, ETC.)
- GENERAL CLEAN-UP VOM EMISSIONS

NOTE THAT TOTAL EMISSIONS FROM THE SOURCE (TS) ARE EQUAL TO SOURCE-WIDE TOTAL EMISSION UNIT EMISSIONS (PT) PLUS TOTAL FUGITIVE EMISSIONS (FT), E.G., TS = PT + FT.

SOURCE INFORMATION						
1) SOURCE NAME:						
IMCO Recycling of Illinois, Inc.						
2) DATE FORM PREPARED: 11/20/09	3) SOURCE ID NO. (IF KNOWN): 031045ANE					

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

GENE	RAI	INF	ORI	VAI	TON

4) PROVIDE THE FOLLOWING INFORMATION FOR THE FUGITIVE EMISSION POINTS AT THE SOURCE INCLUDED IN THIS APPLICATION. SIMILAR POINTS MAY BE GROUPED TOGETHER.

NOTE: ATTACH THE CALCULATIONS, TO THE EXTENT THEY ARE AIR EMISSIONS RELATED, FROM WHICH THE ABOVE EMISSIONS, WERE BASED AND LABEL AS EXHIBIT 391-1. IF THE ABOVE SPACE WAS NOT ADEQUATE, LIST ALL OTHER FUGITIVE POINTS AND INCLUDE THE REQUIRED INFORMATION ON THIS ATTACHMENT.

FOR PAVED AND UNPAVED ROADS, INCLUDE ROAD MILES (E.G., 6 MILES OF UNPAVED ROADS); FOR STORAGE PILES, INDICATE THE MATERIAL BEING STORED (E.G., 20 LIMESTONE STORAGE PILES); FOR EQUIPMENT LEAK POINTS, GROUP SIMILAR POINTS TOGETHER (E.G., 15 ORGANIC LIQUID PUMPS); FOR TRANSFER POINTS, IDENTIFY THE ORIGIN AND DESTINATION OF TRANSFER AND THE MATERIAL BEING TRANSFERRED (E.G., 5 BELT TO BIN TRANSFERS OF CORN).

UNCONTROLLED ANNUAL EMISSIONS

(TONS/YR) REGULATED AIR TYPICAL FUGITIVE POINT(S) MAXIMUM POLLUTANT(S) 6.30 6.30 Particulate Matter Roadways Roadways PM10 1.23 1.23

5) ATTACH A DIAGRAM OF THE SOURCE THAT INDICATES THE LOCATION OF ALL FUGITIVE EMISSION POINTS. A SKETCH DRAWING WITH THE PROPER NOTATIONS IS SUFFICIENT. ALTERNATIVELY, THE REQUIRED INFORMATION MAY BE PLACED ON A COPY OF AN EXISTING PLAN OR MAP SUBMITTED WITH THIS APPLICATION (E.G., PLOT PLAN/MAP). ALSO INDICATE ON THIS DIAGRAM THE LOCATION OF ANY AMBIENT AIR MONITORING STATIONS. LABEL THIS DIAGRAM 391-2. NOTE: EQUIPMENT LEAK FUGITIVE EMISSION POINTS NEED NOT BE SHOWN ON THIS DIAGRAM.

CONTRACTOR OF THE STATE OF THE	APPLICABLE RULES						
) PROVIDE ANY SPECIFIC EMISSION ST 212.316(d), OPACITY < OR = 10% AT 4	TANDARD(S) AND LIMITATIONS(S) WHICH A	RE APPLICABLE TO FUGITIVE EMISSIONS A	AT THE SOURCE (E.G., ROAD SEGMENT F, PM-10, IAC				
FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)				
Roadways	Visible emissions	35 IAC 212.301	No VE beyond fenceline				
PROVIDE ANY SPECIFIC RECORDKEE	PING RÜLE(S) WHICH ARE APPLICABLE:						
FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)				
	·						
		· .					
	1 1		ı				
	·						

IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-3.

	APPLICA	BLE RULES (CON'T)	
8) PROVIDE ANY SPECIFIC REPORTING RU	LE(S) WHICH ARE APPLICABLE:		
FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
			·
-			
9) PROVIDE ANY SPECIFIC MONITORING RI	JLE(S) WHICH ARE APPLICABLE:		
FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
	-		:1
	·]		· · · · · · · · · · · · · · · · · · ·
10) PROVIDE ANY SPECIFIC TESTING RULE	S AND/OR PROCEDURES WHICH ARE APP	LICABLE:	
FUGITIVE POINTS(S)	REGULATED AIR POLLUTANT(S)	EMISSION STANDARD(S)	REQUIREMENT(S)
			·
			(* **)
L			

IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL AS 391-3.

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Printed on Recycled Paper 391-CAAPP

COMPLIANCE INFORMATION						
11) IS EACH FUGITIVE POINT IN COMPLIANCE WITH ALL A	PPLICABLE REQUIREMENTS?	X YES NO				
IF NO, THEN FORM 294-CAAPP "COMPLIANCE PLAN/SC COMPLYING EMISSION UNITS" MUST BE COMPLETED A	HEDULE OF COMPLIANCE - ADD AND SUBMITTED WITH THIS APPL	ENDUM FOR NON ICATION.				
	-					
		1				
12) EXPLANATION OF HOW INITIAL COMPLIANCE IS TO BE	OD WAS DEEVIOUSLY DEMON	STRATED				
1 12) EXPLANATION OF HOW INTHAL COMPLIANCE IS TO BE	, OR WAS FREVIOUSET, DEMORE	BITCATED.				
Daily visual observation of fugitive emissions.		İ				
Daily visual observation of ragitive emissions.						
	•					
13) EXPLANATION OF HOW ONGOING COMPLIANCE WILL	BE DEMONSTRATED:					
Daily visual observation of fugitive emissions.						
		·				
·						
TECTING MONITORING DEC	ODDKEEDING AND DEBOR	TING				
TESTING, MONITORING, REC						
DETERMINE FEES, RULE APPLICABILITY OR COMPLI	ANCE, INCLUDE THE UNIT OF M	EASUREMENT, THE				
METHOD OF MEASUREMENT, AND THE FREQUENCY	OF SUCH RECORDS (E.G., HOU	RLY, DAILY, WEEKLY):				
	METHOD OF MEADUREMENT	EBEOLIEUSV				
PARAMETER FUGITIVE POINT	METHOD OF MEASUREMENT	FREQUENCY				
Visual emissions roadways	visual	once each day				

b) BRIEFLY DESCRIBE TH	E METHOD BY WHICH REC	ORDS WILL BE CREATED AND	MAINTAINED, FOR	EACH
		OF RECORDKEEPING, TITLE OF NTACT FOR REVIEW OF RECORD		SIBLE FOR
PARAMETER	METHOD OF RECORDING	TITLE OF PERSON RESPONSIBLE	TITLE CONTACT	
Visual emission				
Visual emission	Daily log	Maint. supervisor	Plant Man	ager
				1 1
· · · · · · · · · · · · · · · · · · ·				
c) IS COMPLIANCE OF TH THE RECORDS?	E EMISSION UNIT READILY	DEMONSTRATED BY REVIEW	OF X YES	ОиО
IF NO, EXPLAIN:				
•				l
d) ARE ALL RECORDS RE	ADILY AVAILABLE FOR INSP	PECTION, COPYING AND/OR	X YES	
SUBMITTAL TO THE AG	SENCY UPON REQUEST?		YES.	ОиО
IF NO, EXPLAIN:				1
				1
				1
COMPLIANCE:	TORS OR MONHORING ACT	IVITIES USED TO DETERMINE	FEES, RULE APPLIC	ABILITY OR
				į
Daily visible emission d	eterminations.			
				I
b) WHAT PARAMETER(S)	S(ARE) BEING MONITORED	?		ŀ
Presence of visible emi	naiona			ŀ
Freserice of visible emi	5510115.			ŀ
c) DESCRIBE THE LOCATI	ON OF EACH MONITOR AND	O/OR MONITORING PROCEDUR	RES:	
,				
Plant roadways				
				- 1
d) IS EACH MONITOR EQU	IPPED WITH A RECORDING	DEVICE?	X YES	ОиО
IF NO. LIST ALL MONITO	ORS WITHOUT A RECORDIN	IĠ DEVICE:		
			•	

e) IS EACH MONITOR I BASIS?	REVIEWED FOR	ACCURACY ON	VAT LEAST A	QUARTE	RLY	YES	⊗ NO
IF NO, EXPLAIN:					÷		
N/A							
f) IS EACH MONITOR OCCUR?	OPERATED AT	ALL TIMES THA	T FUGITIVE E	MISSION	S MAY	YES	⊗ NO
IF NO, EXPLAIN:							
Visible emission de	termination m	ade once per	day during	daylight	hours.		
16) PROVIDE INFORMA PURPOSES OF THI DATE, TEST METH SUMMARY OF RES	E DETERMINATI OD USED, TEST	ON OF FEES, R ING COMPANY.	ULE APPLICA OPERATING	ABILITY O	R COMPLIANCI	E. INCLUDE TI DURING THE	HE TEST TEST AND A
FUGITIVE POINT(S)	TEST DATE	TEST METHOD	TESTING	FIRM	OPERATING CONDITIONS		ARY OF
N/A							
17) DESCRIBE ALL RE SUBMITTALS TO T		IIREMENTS AND	D PROVIDE T	ΗΕ ΤΙΤΙΕ	AND FREQUEN	ICY OF REPOR	रा
FUGITIVE POINT(S)	REPORTIN	IG REQUIREMENT	rs	ודוד	LE OF REPORT	, FR	EQUENCY
N/A							
	Fl	JGITIVE DUS	T (comple	te if app	olicable)		
18a) ARE OPACITY RI	EADINGS REQU	IRED TO BE TAP	KEN?			O YES	⊗ NO
IF YES, SPECIFY	THE RELEVAN	T FUGITIVE POI	INT(S):			÷	
ii)							
b) SPECIFY THE FR	EQUENCY OF C	PACITY READII	NGS:				
5, 5, 25, 1, 1, 2, 1							

c) IS USEPA METHOD 9 USED TO READ ALL VISIBLE EMISSIONS?	YES	(X) NO
IF NO, EXPLAIN AND SPECIFY THE METHOD USED:	O 120	O NO
Opacity determination is not required.		
19) IS AN OPERATING PROGRAM FOR FUGITIVE PARTICULATE MATTER AND/OR PM10 CONTROL REQUIRED PURSUANT TO 35 ILL. ADM. CODE 212.309?	YES	ON 🗵
IF YES, HAS SUCH A PROGRAM PREVIOUSLY BEEN SUBMITTED TO THE AGENCY?	YES	О мо
IF SUCH A PROGRAM HAS NOT BEEN SUBMITTED, IT SHOULD BE ATTACHED TO THIS AND LABELED AS 391-5.	FORM UPON S	UBMITTAL
20) IS THE SOURCE IN COMPLIANCE WITH 35 ILL. ADM. CODE 212.301 WHICH STATES THAT NO EMISSIONS SHALL BE VISIBLE BEYOND THE PROPERTY LINE OF THE SOURCE?		O NO
IF NO, EXPLAIN:		
FUCITIVE VOM EDOM FOLUDMENT I FAVO (complete # com	1:	
FUGITIVE VOM FROM EQUIPMENT LEAKS (complete if app 21) INDICATE WHICH OF THE FOLLOWING METHODS WAS USED TO ESTIMATE FUGITIVE I EQUIPMENT LEAKS:	EMISSIONS OF	VOM FROM
	ATE/SCREENIN PRRELATION	G VALUE
OTHER; (SPECIFY):		
ATTACH A COPY OF THE FINAL REPORT FOR ANY OF THE ABOVE TESTS THAT HAVE REPORT SHOULD SUMMARIZE THE TEST PROCEDURES AND RESULTS. LABEL AS 39	 BEEN PERFORI I-6.	MED. THIS
22) IS THERE AN ACTIVE INSPECTION AND MONITORING PROGRAM OF EQUIPMENT LEAKS?	YES	⊗ NO
IF YES, PROVIDE A DESCRIPTION OF SUCH PROGRAM OR ATTACH THE INSPECTION F AND LABEL AS 391-7:	PROGRAM TO T	HIS FORM

			OPERATIONS (com		
	OMPLETE THE FOLLOWING FOR MISSIONS ARE FUGITIVE AND H				
<u> </u>	MIDGIONS AIL FOOTIVE AND T	AVE NOT BEEN AC	OCCUMPED FOR ELOEW	ANNUAL	.USAGE
	GENERIC NAME OF CLEANUP	DENSITY	VOM CONTENT	(GAL/)	(EAR)
_	MATERIAL	(LB/GAL)	(WEIGHT %)	MAX	TYPICAL
a)	N/A				
b)					
_ -					
c)					
L		<u> </u>			
	XPLAIN THE MEANS BY WHICH	THESE MATERIALS	ARE USED AND WHAT	EQUIPMENT OR I	TEMS ARE BEING
C	CLEANED:				
N/A					i
13//-	•				
				4	
25a)	ARE ALL VOM USED IN CLEANU	P OPERATIONS CO	DNSIDERED TO BE EMIT	TED?	YES X NO
	IF NO, EXPLAIN:				
Νo	VOM used in cleanup opera	tions.			
b)	IF APPLICABLE, COMPLETE ITEI	MS I, II, AND III BELC	DW:		
	i) PROVIDE THE MAXIMUM AND HENCE, NOT EMITTED:	TYPICAL AMOUNT	ÖF VOM RECLAIMED A	ND/OR SHIPPED (OFF-SITE AND
	(GALSY	R)		(TONS/YR)	
М	AX N/A				
	N/A			·	
Т	YP				
	DEVELORING THE MEANINE DV 188 HO	CHIVOMIC COLLEC	TED COD BECLAMATIO	ANDIOD DISDOS	201.
,	i) EXPLAIN THE MEANS BY WHIC	OH VOIM IS COLLEC	TED FOR RECLAIMATION	NANDION DISPOS	DAL.
N/A	4				
,	•				
			•		
	•				
		•		a.	
i					

	iii) EXPLAIN THE MEANS BY	WHICH THE AMOUNT (OF VOM COLLECTED	IS MEASURED OR DET	ERMINED:
N/	4				
	e e e e e e e e e e e e e e e e e e e				
	4				
					
26)	COMPLETE THE FOLLOWER		VE CONTROL		
26)	COMPLETE THE FOLLOWING CONTROL MEASURE UTILIZI	S, INCLUDING THE MINI ED:	IMUM AND TYPICAL R	EDUCTION EFFICIENC	CY FOR EACH
					FREQUENCY
		REGULATED AIR	FUGITIVE · POINT(S)	REDUCTION EFF.(%)	OF CONTROL
	CONTROL MEASURES	POLLUTANT	CONTROLLED	MIN TYP	APPLICATION
a)	N/A				
b)					
c)	-				
d)					
e)	· · · · · · · · · · · · · · · · · · ·				
1					
TON	E: IF ADDITIONAL SPACE IS	NEEDED, ATTACH ANI	D LABEL AS 391-8.		
27) F	PROVIDE A DESCRIPTION OF S NEEDED, ATTACH AND LA	EACH OF THE CONTR	OL MEASURES INDIC	ATED IN ITEM 32. IF A	ADDITIONAL SPACE
	CONTROL MEASU			DESCRIPTION	
a)	N/A				
			·		
b)					
,					
-					

	CONTROL MEASURE(S)	THE CONTROL MEASURES INDICATED IN ITEM 26. IF AS 391-9. DESCRIPTION
L		
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	_	
'		
L		
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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL - PERMIT SECTION P.O. BOX 19506 SPRINGFIELD, ILLINOIS 62794-9506

FOR AP	PLIC	CANT	'S USE
Revision #:			
Date:	_ /		/
Page		of	
Source Desi	gna	tion:	

	•			
HAZARDOUS AIR POLLUTANT (HAP) EMISSION SUMMARY	ID NUMBER: PERMIT #: DATE:	FOR AGENCY U	SEONLY	
SOURCEIN	FORMATION			
1) SOURCE NAME: IMCO Recycling of Illinois, Inc.	SOURCE ID NO.	031045ANE		
TILLANCE. 11 / 20 / 00		OO TOTOMINE		
HAZARDOUS AIR PO	II UTANT FMI	SSIONS		
4) DOES ANY EMISSION UNIT AT THE SOURCE EMIT A HA (IF NO, THEN THE REMAINDER OF THIS FORM NEED NO	ZARDOUS AIR POI	LUTANT?	X YES	O NO
5a) DOES THE SOURCE HAVE THE POTENTIAL TO EMIT, I	N THE AGGREGAT	E,:		
i) 10 TONS PER YEAR OR MORE OF ANY INDIVIDUAL I	HAZARDOUS AIR F	POLLUTANT;	YES	⊗ NO
ii) 25 TONS PER YEAR OR MORE OF ANY COMBINATIO POLLUTANTS;	OF HAZARDOUS	SAIR	YES	⊗ NO
iii) SUCH LESSER QUANTITY AS ESTABLISHED BY RUI SOURCE AS MAJOR FOR HAZARDOUS AIR POLLUT		FIES THE	YES	⊗ мо
iv) EMISSIONS OF HAZARDOUS AIR POLLUTANTS WHI POLLUTANT SPECIFIC CAAPP APPLICABILITY LEVE RULE SUCH THAT THE SOURCE IS REQUIRED TO C SOLELY FOR THIS REASON (i.e., HAP EMISSIONS B APPLICABILITY THRESHOLDS SPECIFIED IN ITEMS REQUIRED TO OBTAIN A CAAPP PERMIT PURSUAN REQUIREMENT, e.g., NESHAP)?	EL AS ESTABLISHE DBTAIN A CAAPP P ELOW THE CAAPF (i), (ii) &(iii) ABOVE	D BY USEPA ERMIT , , BUT STILL	⊗ yes	□ NO
b) IF ANSWERED YES TO ANY OF THE ABOVE, IDENTIFY SOURCE IS CONSIDERED MAJOR OR REQUIRED TO C	THE HAP(S) FOR DBTAIN A CAAPP P	WHICH THE ERMIT:		
HCI and Dioxins and Furans (D/F)				
·				

HAZARDOUS AIR POLLUTANT EMISSIONS TABLE

6) COMPLETE THE FOLLOWING TABLE FOR ALL HAPS WHICH ARE REGULATED AIR POLLUTANTS. THIS TABLE MUST INCLUDE EMISSIONS OF HAPS AT ACTIVITIES PROPOSED TO BE INSIGNIFICANT PURSUANT TO 35 IL. ADM. CODE 201.211. NOTE THAT AN APPLICANT MAY PRESUME THAT AN EMISSION UNIT DOES NOT EMIT A HAP IF IT MEETS THE REQUIREMENTS OF 35 IL. ADM. CODE 201.209.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER ILLINOIS REVISED STATUTES, 1991, AS AMENDED 1992, CHAPTER 111 1/2, PAR. 1039.5. DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION. FAILURE TO DO SO MAY PREVENT THIS FORM FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED. THIS FORM HAS BEEN APPROVED BY THE FORMS MANAGEMENT CENTER.

FOR APPLICANT'S USE

(6) HAZARDOUS AIR POLLUTANT EMISSIONS

COMPLETE THE FOLLOWING TABLE FOR <u>ALL</u> HAPS WHICH ARE REGULATED AIR POLLUTANTS. THIS TABLE MUST INCLUDE EMISSIONS OF HAPS AT ACTIVITIES PROPOSED TO BE INSIGNIFICANT PURSUANT TO 35 IL, ADM. CODE 201.211. NOTE THAT AN APPLICANT MAY PRESUME THAT AN EMISSION UNIT DOES NOT EMIT A HAP IF IT MEETS THE REQUIREMENTS OF 35 IL, ADM. CODE 201.209.

NAME OF HAP EMITTED:	¹ CAS NUMBER	EMISSION UNIT DESIGNATION.	MAXIMUM EMISSIONS (TONS/YR)	TYPICAL EMISSIONS (TONS//YR)	POTENTIAL EMISSIONS (TONS/YR)	OTHER TERMS ²	APPLICABLE RULE	APPLICABILITY LEVEL (UNITS)
Hydrogen chloride	7647-01-0	Rotary Furn. No. 1 & 2	1.20		1.20	0.40	40 CFR 63.1505(i	lb/ton
Dioxins & Furans	N/A	Rotary Furn. No. 1 & 2				15.0	40 CFR 63.1505(i	ug/MG
						W.4.		
		1 11111						- Company of the Comp
								
					7.00			H-C-
			<u>:</u>					
				·				
		,				: "	****	
								

CHEMICAL ABSTRACT SERVICE IDE OTHER TERMS AS NECESSARY TO ESTABLISH APPLICABILITY OR COMPLIANCE WITH REQUIREMENTS.

APPLICATION PAGE

Exhibit 391-1a IMCO Recycling of Illinois, Inc. PM Emissions

			PM Emis	sions		•		Total:	6.30 to	ns/year
	Finished Material		Raw Material		Raw Material Movement		Finished Material Movement		Saltcake	
Calculation Parameter										
k (lb PM/VMT) Table 13.2.1-1, AP-42	0.082	0,082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
sL (silt loading in g/m2) Table 13.2.1-2, AP-42	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7 37.25
W (average weight of vehicle in tons)	15.25	35.25	35,25	15,25	11.5		4	5.2	15.25	130
P (number of day with at least 0.01" rainfall)	130	130	130	130	130	130	130	130	130	
$E(Ib/VMT) = k \times (sL/2)^{0.65} \times (w/3)^{1.5} \times (1 - P/4N)$	2.39	8.40	8.40	2.39	1.56	1.77	0.32	0.48	2.39	9.12
P _{ann} (amount of material transferred in ton/yr)									4.5 million lb/mo	
Vehicle Type	Semi	Semi	Semi	Semi	Front End Loader	Front End Loader	Fork Truck	Fork Truck	Semi	Semi
Vcap (capacity of vehicle in tons)	20	20	20	20	1	1	1.2	1.2	22	22
D (miles traveled for single trip) miles	0.25	0.25	0.125	0.125	0.0625	0.0625	0.0625	0.0625	0.125	0.125
Number of trips (annual number)	1440	1440	2700	2700		10800	12000	12000	1227	1227
VMT _{ana} = P _{ana} x D/Vcap (annual vehicle miles traveled)	360.00	360.00	337.50	337.50	675.00	675.00	750.00	750.00	153.38	153.38
Uncontrolled Emissions = E x VMT _{ann} /2000 (in tons/yr)	0.43	1.51	1.42	0.40	0.53	0,60	0.12	0.18	0.18	0.70
Control Factor	O	: 0	0	0	0	0	0	0	0	0.70
Controlled Annual Emissions (in tons/yr)	0.43	1.51	1.42	0.40	0.53	0.60	0.12	0.18	0.18	0.70

	I BH	Dust	Flo	ux .	Ref	use	j_i	ime	General D	EHVELLES
Calculation Parameter			e in the							
((lb PM/VMT) Table 13.2.1-1, AP-42	0.082	0.082	0.082	0.082	0.082	0.082	0.082		0.082	0.082
st. (silt loading in g/m2) Table 13.2.1-2, AP-42	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
W (average weight of vehicle in tons)	15.25	37.25	15.25	36.25	17	. 18			3	3
(number of day with at least 0.01" rainfall)	· 130	130	130	130	130	130	130	130		130
$E(Ib/VMT) = k \times (sL/2)^{0.65} \times (w/3)^{1.5} \times (1 - P/4N)$	2,39	9.12	2.39	8.76	2.81	3.06	8.94	2.16	0,21	0.21
P _{ann} (amount of material transferred in ton/yr)	200 ton/mo		250 ton/mo		4 ton/mo		67.5 ton/mc)	each day	
Vehicle Type	Semi	Semî	Semi	Semi	Truck	Truck	Semi	Semi	Truck	Truck
Vcap (capacity of vehicle in tons)	22	22	21	21	1	1	22.5			0.5
D (miles traveled for single trip) miles	0.125	0.125	0.125	0.125	0.125	0.125	0.125			0.25
Number of trips (annual number)	109	109	143	143	48	48	36	36		260
VMT _{ann} = P _{ann} x D/Vcap (annual vehicle miles traveled)	13,63	13.63	17.88	17.88	6.00	6.00	4.50	4.50	65.00	65.00
Uncontrolled Emissions = E x VMT _{ann} /2000 (in tons/yr)	0.02	. 0.06	0.02	0.08	0.01	0.01	0.02	0.00	0.01	0.01
Control Factor	0	. 0	0	0	0	0	C	0	0	0
Controlled Annual Emissions (in tons/yr)	0.02		0.02		0.01	0.01	0.02	0.00	0.01	0.01

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Exhibit 391-1b IMCO Recycling of Illinois, Inc. PM10 Emissions

			PM10 Emi	ssions				Total;	1.23 1	ions/year
	Finished	Material	Raw Ma	iterial	Raw Materia	l Movement		Material ement	Saltca	····
Calculation Parameter					Fag. 11	91/6 . J	Laguerak Kabupatèn			
k (lb PM/VMT) Table 13.2.1-1, AP-42	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
st. (silt loading in g/m2) Table 13.2.1-2, AP-42	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
W (average weight of vehicle in tons)	15.25	35.25	35.25	15,25	11.5	12.5	4	5.2	15.25	37.25
P (number of day with at least 0.01" rainfall)	130	130	130	130	130	130	130	130	130	130
$E (1b/VMT) = k \times (sL/2)^{0.65} \times (w/3)^{1.5} \times (1 - P/4N)$	0.47	1.64	1.64	0.47	0.31	0.35	0.06	0.09	0.47	1.78
P _{enn} (amount of material transferred in ton/yr)									4.5 million lb/mo	
Vehicle Type	Semi	Semi	Semi	Semi	Front End Loader	Front End Loader	Fork Truck	Fork Truck	Semi	Semi
Vcap (capacity of vehicle in tons)	20	20	20	20	1	1	1.2	1.2	22	22
D (miles traveled for single trip) miles	0.25	0.25	0.125	0.125	0.0625	0.0625	0.0625	0.0625	0,125	0.125
Number of trips (annual number)	1440	1440	2700	2700	10800	10800	12000	12000	1227	1227
VMT _{ann} = P _{ann} x D/Vcap (annual vehicle miles traveled)	360.00	360.00	337.50	337.50	675.00		750.00	750.00	153.38	153.38
Uncontrolled Emissions = E x VMT _{ann} /2000 (in tons/yr)	80.0	,0.29	0.28	0.08	0.10	0.12	0.02	0.03	0.04	· 0.14
Control Factor	0	0	. 0	0	0	0	0	.0	0	
Controlled Annual Emissions (in tons/yr)	0.08	0.29	0.28	0.08	0.10	0.12	0.02	0.03	0.04	0.14
	ВН	Dust	Fit	ıx	Ref	use	1	lme	General D	oliveries
Calculation Parameter	10000	Barrer Stocker					30011207109		Oction D	enveries
k (lb PM/VMT) Table 13.2.1-1, AP-42	0.016	0.016	0.016	0.016	0.016	0.016	0,016	0.016	0.016	0.016
sL (silt loading in g/m2) Table 13.2.1-2, AP-42	9.7	9.7	9.7	9.7	9.7				9.7	9.7
W (average weight of vehicle in tons)	15.25	37.25	15.25	36,25	17	18	36.75	14.25		3
P (number of day with at least 0.01" rainfall)	130	130	130	130	130	130	130			130
$E (Ib/VMT) = k \times (sL/2)^{0.65} \times (w/3)^{1.5} \times (1 - P/4N)$	0.47	1.78	0.47	1.71	0.55	0,60	1.74	0.42	0.04	0.04
P _{ann} (amount of material transferred in toπ/yr)	200 ton/mo		250 ton/mo		4 ton/mo		67.5 ton/ma		each day	
Vehicle Type	Semi	Semi	Semi	Semí	Truck	Truck	Semi	Semi	Truck	Truck
Vcap (capacity of vehicle in tons)	22	22	21	21	1	1	22,5	22.5	0.5	
D (miles traveled for single trip) miles	0.125	0.125	0,125	0.125	0.125	0.125	0.125	0,125		0.25
Number of trips (annual number)	109	109	143	143	48	48	36	36	260	260
VMT _{ann} = P _{ann} x D/Vcap (annual vehicle miles traveled)	13.63	13.63	17.88	17.88	6.00	6.00	4.50	4.50	65.00	65.00
Uncontrolled Emissions = E x VMT _{ann} /2000 (in tons/yr)	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Control Factor	0	0	.0	0	· · · · · · · ·	Ö	0	.0	0	(
Controlled Annual Emissions (in tons/yr) 11/20/09	0.00	0.01	0.00 pplication Pag	0.02	0.00	0.00	0.00	0.00	0.00	0.00



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

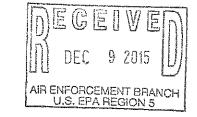
1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829 James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

INVOICE DIVISION OF AIR POLLUTION CONTROL INITIAL TITLE V PERMIT FEE

December 18, 2009 Larry Lipa IMCO Recycling of Illinois Inc 400 E Lincoln Hwy Chicago Heights, IL 60411



Site to which fee applies Id: 031045ANE

IMCO Recycling of Illinois Inc 400 E Lincoln Highway Chicago Heights, IL 60411

This is your initial Air Pollution Control Title V Permit Fee invoice. If balance is due, make either check or money order payable to: "Illinois Environmental Protection Agency".

In accordance with the Environmental Protection Act Section 18(iiB): Except for the first year of the CAAPP the applicant or permittee may pay the fee annually or semiannually for those fees greater than \$5,000. If you elect to pay annually or semiannually, the initial fee or one-half of the initial fee and any balance forward is due February 1, 2010.

In order to ensure the proper crediting of your account, you must return one copy of this invoice with payment in the envelope provided. If you have any questions, please contact the Air, Permit Section at the above address or telephone 217/782-2113 within 45 days.

FUND	DESCRIPTION	. AMOUNT
0091	Initial Fee	\$1,800.00
	Balance Due	\$1,800.00
Please	provide the following information: Amount Enclosed \$	

Please indicate designated site Id Number 031045ANE on your check and return one copy of this invoice with payment.

This Title V permit fee bill does not constitute final Illinois EPA action on any pending application for initial, renewal or modification of CAAPP permit. Neither the issuance nor payment of this fee bill shall serve to modify any otherwise applicable emission limits in your current CAAPP permit. Any change or modification of the underlying CAAPP permit limits established for fee purposes, if at all, will be effectuated upon issuance of the modified CAAPP permit.



Illinois Environmental Protection Agency

1021 North Grand Avenue East, P.O. Box 19506, Springfield, Illinois 62794-9506 – (217) 782-2113

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217/785-5151

CAAPP APPLICATION COMPLETENESS DETERMINATION AND SOURCE FEE DETERMINATION

APPLICANT

IMCO Recycling of Illinois, Inc.

Attn: Larry Lipa

400 East Lincoln Highway

Chicago, IL 60411

Date of Determination: December 21, 2009

Application/Permit No.: 09120016

I.D. Number:

031045ANE

Date Received: Source Name:

December 7, 2009 IMCO Recycling of Illinois, Inc.

Location of Source:

400 East Lincoln Highway, Chicago, IL 60411

Dear Mr. Lipa:

This letter provides notification that your Clean Air Act Permit Program (CAAPP) application received on the date indicated above, has been determined by the Agency to be complete pursuant to Section 39.5(5) of the Illinois Environmental Protection Act (Act).

As provided in Section 39.5(18) of the Act, a CAAPP source shall pay a fee. Attached is the annual fee bill for this CAAPP source as determined from information included in your application, on form 292-CAAPP - FEE DETERMINATION FOR CAAPP PERMIT. Payment of the fee is due within 45 days of the billing date indicated on the billing statement.

Notwithstanding the completeness determination, the Agency may request additional information necessary to evaluate or take final action on the CAAPP application. If such additional information affects your allowable emission limits, a revised form 292-CAAPP-FEE DETERMINATION FOR CAAPP PERMIT must be submitted with the requested information. The failure to submit to the Agency the requested information within the time frame specified by the Agency, may force the Agency to deny your CAAPP application pursuant to Section 39.5 of the Act.

If you have any questions regarding this matter, please contact the Division of Air Pollution Control Permit Section at 217/785-5151.

Sincerely,

COPY

Original Signed by Edwin C. Bakowski, P.E.

Edwin C. Bakowski, P.E. Manager, Permit Section Division of Air Pollution Control

ECB:RWB:BAC:jws

Enclosures

cc:

FOS, Region 1 Application File

Compliance & Systems Management Section